

U.S. DEPARTMENT OF COMMERCE
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BUREAU OF FOREIGN AND DOMESTIC COMMERCE
CLAUDIUS T. MURCHISON, *Director*

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DEPARTMENT OF COMMERCE,
BUREAU OF FOREIGN AND DOMESTIC COMMERCE,
Washington, July 19, 1934.

SIR: I have the honor to submit herewith for publication the fifty-sixth annual issue of the Statistical Abstract of the United States. This annual volume is a summary of authoritative statistics showing the trends in trade and industry as well as social progress and is a convenient reference work for business men, economists, statisticians, and students.

The present volume has been prepared in the Division of Economic Research, of which H. Gordon Hayes is chief, under the general direction of M. Joseph Meehan, chief of the Current Statistics section of the division, and the more immediate charge of Martha Hunter. The volume represents a digest of data collected by all statistical agencies of the National Government, as well as those of a considerable number of private agencies and several States. Many of these offices and agencies have been of great assistance in furnishing advance data and also in the actual preparation of the tables used in the Abstract. Special mention in this connection is due the following offices of the Federal Government: The Bureau of the Census and the Bureau of Fisheries, of the Department of Commerce; the Bureau of Agricultural Economics and the Weather Bureau of the Department of Agriculture; the Immigration and Naturalization Service and the Bureau of Labor Statistics of the Department of Labor; the Office of Education, the General Land Office, and the Bureau of Mines of the Department of the Interior; the Statistical Section of the Income Tax Unit of the Treasury Department; the Veterans' Administration; the Interstate Commerce Commission; the United States Shipping Board; the Division of Research and Statistics of the Federal Reserve Board, and the Farm Credit Administration.

Respectfully,

CLAUDIUS T. MURCHISON,
Director.

TO HON. DANIEL C. ROPER,
Secretary of Commerce.

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STATISTICAL ABSTRACT OF THE UNITED STATES

1.—AREA AND POPULATION

No. 1.—TERRITORIAL EXPANSION OF THE UNITED STATES

NOTE—Gross areas, including land and water, but not water surface of oceans, Gulf of Mexico, and Great Lakes. Recent revisions in these figures are due to more accurate maps. For dates of organization of the individual States and Territories see Table 2, p. 1, Statistical Abstract 1931 and previous issues.

Accession	Date	Gross area, square miles	Accession	Date	Gross area, square miles
Aggregate (1930).....		3, 738,395	Outlying territories and possessions.....		711,606
Continental United States.....		3, 026, 789	Alaska Territory.....	1867	586,400
Territory in 1790 ¹		892, 135	Hawaii Territory.....	1898	6, 407
Louisiana Purchase.....	1803	827, 987	Philippine Islands.....	1899	114, 400
Florida.....	1819	58, 666	Puerto Rico.....	1899	3, 435
By treaty with Spain.....	1819	13, 435	Guam.....	1899	206
Texas.....	1845	389, 166	American Samoa.....	1900	76
Oregon.....	1846	286, 541	Panama Canal Zone.....	1904	549
Mexican Cession.....	1848	529, 189	Virgin Islands of the U. S.	1917	133
Gadsden Purchase.....	1853	29, 670			

¹ Includes drainage basin of Red River of the North, not a part of any accession, but in the past some times considered a part of the Louisiana Purchase.

Source: Bureau of the Census, Department of Commerce.

No. 2.—AREA: GEOGRAPHIC DIVISIONS AND STATES, 1930

Division and State	Area (square miles)			Division and State	Area (square miles)		
	Land	Water	Total		Land	Water	Total
Continental United States.....	2, 973, 776	153, 013	3, 026, 789	South Atlantic—Con.			
New England.....	61, 976	4, 448	66, 424	Dist. of Columbia.....	62	8	70
Maine.....	29, 895	3, 145	33, 040	Virginia.....	40, 262	2, 365	42, 627
New Hampshire.....	9, 031	310	9, 341	West Virginia.....	24, 022	148	24, 170
Vermont.....	9, 124	440	9, 564	North Carolina.....	48, 740	3, 686	52, 426
Massachusetts.....	8, 039	227	8, 266	South Carolina.....	30, 495	494	30, 989
Rhode Island.....	1, 067	181	1, 248	Georgia.....	58, 725	540	59, 265
Connecticut.....	4, 820	145	4, 965	Florida.....	54, 861	3, 805	58, 666
Middle Atlantic.....	100, 000	2, 554	102, 554	East South Central.....	179, 509	1, 974	181, 483
New York.....	47, 654	1, 550	49, 204	Kentucky.....	40, 181	417	40, 598
New Jersey.....	7, 514	710	8, 224	Tennessee.....	41, 687	335	42, 022
Pennsylvania.....	44, 832	294	45, 126	Alabama.....	51, 279	719	51, 998
East North Central.....	245, 564	2, 541	248, 105	Mississippi.....	46, 362	503	46, 865
Ohio.....	40, 740	2, 300	41, 040	West South Central.....	429, 746	8, 048	437, 794
Indiana.....	36, 045	2, 309	38, 354	Arkansas.....	52, 525	810	53, 335
Illinois.....	56, 043	2, 622	58, 665	Louisiana.....	45, 409	3, 097	48, 506
Michigan.....	57, 480	2, 500	59, 980	Oklahoma.....	69, 414	643	70, 057
Wisconsin.....	55, 256	2, 810	58, 066	Texas.....	262, 398	3, 498	265, 896
West North Central.....	510, 804	7, 575	518, 379	Mountain.....	859, 009	6, 008	865, 017
Minnesota.....	80, 858	2, 824	84, 682	Montana.....	146, 131	866	146, 997
Iowa.....	55, 586	561	56, 147	Idaho.....	83, 354	534	83, 888
Missouri.....	68, 727	693	69, 420	Wyoming.....	97, 548	366	97, 914
North Dakota.....	70, 183	654	70, 837	Colorado.....	103, 658	290	103, 948
South Dakota.....	76, 868	747	77, 615	New Mexico.....	122, 503	131	122, 634
Nebraska.....	76, 808	712	77, 520	Arizona.....	113, 810	146	113, 956
Kansas.....	81, 774	354	82, 158	Utah.....	82, 184	2, 806	84, 990
South Atlantic.....	269, 073	13, 837	282, 910	Nevada.....	109, 821	869	110, 690
Delaware.....	1, 965	405	2, 370	Pacific.....	318, 095	6, 028	324, 123
Maryland.....	9, 941	2, 386	12, 327	Washington.....	66, 836	2, 291	69, 127
				Oregon.....	95, 607	1, 092	96, 699
				California.....	155, 652	2, 645	158, 297

¹ Does not include the water surface of the oceans, the Gulf of Mexico, or the Great Lakes, the Strait of Juan de Fuca, and the Gulf of Georgia, lying within the jurisdiction of the United States.

² Exclusive of Great Lakes.

³ Exclusive of water area of the Strait of Juan de Fuca and the Gulf of Georgia.

Source: Bureau of the Census, Department of Commerce.

No. 3.—AREA AND POPULATION: CONTINENTAL UNITED STATES, 1790 TO 1930

NOTE.—The enumeration of 1870 was incomplete in the Southern States. The last column shows the estimated rate of increase corrected for 1870 and 1880

Census year	Area (square miles)			Population				
	Gross	Land	Water	Number	Per square mile ¹	Increase over preceding census		
						Number	Per cent	Corrected per cent, estimated
1790.....	892, 135	867, 980	24, 155	3, 929, 214	4 5	-----	-----	-----
1800.....	892, 135	867, 980	24, 155	5, 308, 483	6 1	1, 379, 269	35 1	-----
1810.....	1, 720, 122	1, 685, 865	34, 257	7, 239, 881	4 3	1, 931, 398	36 4	-----
1820.....	1, 792, 223	1, 753, 588	38, 635	9, 638, 453	5 5	2, 398, 572	33 1	-----
1830.....	1, 792, 223	1, 753, 588	38, 635	12, 866, 020	7 3	3, 227, 567	33 5	-----
1840.....	1, 792, 223	1, 753, 588	38, 635	17, 069, 453	9 7	4, 203, 433	32 7	-----
1850.....	2, 997, 119	2, 944, 337	52, 782	23, 191, 876	7 9	6, 122, 423	35 9	-----
1860.....	3, 026, 789	2, 973, 965	52, 824	31, 443, 321	10 6	8, 251, 445	35 6	-----
1870.....	3, 026, 789	2, 973, 965	52, 824	38, 558, 371	13 0	7, 115, 050	22 3	28 6
1880.....	3, 026, 789	2, 973, 965	52, 824	50, 155, 783	16 9	11, 597, 412	30 1	26 0
1890.....	3, 026, 789	2, 973, 965	52, 824	62, 947, 714	21 2	12, 791, 931	25 5	-----
1900.....	3, 026, 789	2, 974, 159	52, 630	75, 994, 575	25 6	13, 046, 861	20 7	-----
1910.....	3, 026, 789	2, 973, 890	52, 899	91, 972, 266	30 9	15, 977, 691	21 0	-----
1920.....	3, 026, 789	2, 973, 776	53, 013	105, 710, 620	35 5	13, 738, 354	14 9	-----
1930.....	3, 026, 789	2, 973, 776	53, 013	122, 775, 046	41 3	17, 064, 426	² 16 1	-----

¹Based on land area.

²In comparing this percentage of increase with that shown for the decade 1910-1920, allowance should be made for the fact that the period between the censuses of 1910 and 1920 was less than a full decade, and that between the 1920 and 1930 censuses was more than a full decade. An increase of 16 1 per cent for 123 months (the time between Jan 1, 1920, and Apr 1, 1930) is equivalent to 15 7 per cent for exactly 10 years; and the 1920 increase for 116½ months (the time between Apr. 15, 1910, and Jan 1, 1920) is equivalent to 15 4 per cent for 120 months. Making this adjustment, the rate of increase for the decade ending in 1930 is only slightly higher than that for the preceding decade.

Source: Bureau of the Census, Department of Commerce.

No. 4.—POPULATION: CONTINENTAL UNITED STATES AND OUTLYING TERRITORIES AND POSSESSIONS, 1910, 1920, AND 1930

NOTE.—These data represent actual enumerations, not estimates, as in Table 12. For several of the outlying possessions they relate to dates other than 1910, 1920, and 1930, as indicated by footnotes. The census of Continental United States was as of date Apr 15 in 1910, Jan 1 in 1920, and Apr 1 in 1930

Area	Gross area (land and water) in square miles ¹	Population		
		1910	1920	1930
United States, with outlying territories and possessions.....	3, 738, 895	101, 146, 530	117, 823, 165	137, 008, 435
Continental United States.....	3, 026, 789	91, 972, 266	105, 710, 620	122, 775, 046
Outlying territories and possessions.....	711, 606	9, 174, 264	12, 112, 545	14, 233, 389
Alaska Territory.....	586, 400	64, 356	55, 036	59, 278
American Samoa.....	76	² 7, 251	8, 056	10, 055
Guam.....	206	11, 806	13, 275	18, 509
Hawaii Territory.....	6, 407	191, 909	255, 912	368, 336
Panama Canal Zone.....	549	² 62, 810	22, 858	39, 467
Puerto Rico.....	3, 435	1, 118, 012	1, 299, 809	1, 543, 913
Military and naval, etc., services abroad.....	-----	55, 608	117, 238	89, 453
Philippine Islands.....	114, 400	³ 7, 635, 426	⁴ 10, 314, 310	⁵ 12, 082, 366
Virgin Islands of the United States.....	133	⁶ 27, 086	⁷ 26, 051	22, 012
Total Continental United States and incorporated territories (Alaska and Hawaii).....	3, 619, 596	92, 228, 531	106, 021, 568	123, 202, 680
Total Statistical Customs Area—Continental United States, Alaska, Hawaii, Puerto Rico.....	3, 623, 031	93, 346, 543	107, 321, 377	124, 746, 573

¹ See headnote Table 1. ² Population in 1912. ³ Population in 1903. ⁴ Population Dec 31, 1918.

⁵ Estimated population July 1, 1929 (annual report of the director of education of the Philippine Islands).

⁶ Population in 1911

⁷ Population Nov. 1, 1917.

Source: Bureau of the Census, Department of Commerce.

No. 5.—DENSITY OF POPULATION PER SQUARE MILE, BY STATES

NOTE.—The population of continental United States has been divided by the total land area, although it included at each census some unorganized territory which was not canvassed by the enumerators. For each State or Territory the population as returned at a given census has been divided by the land area as constituted at the time that census was taken. The areas of Indian reservations, outside of Indian Territory, are included in the areas of the several States and Territories, although the population was not ascertained and can not be considered in figuring density of population prior to 1890. The census of 1870 in the Southern States is considered incomplete. Population density in 1890 of Alaska, Hawaii, and Puerto Rico, and of Philippine Islands, December 31, 1918, based on gross area, and not land area, was as follows: Alaska, 0.1, Hawaii, 57.5, Puerto Rico, 449.5, Philippine Islands, 90.0.

Division and State	1800	1850	1860	1870	1880	1890	1900	1910	1920	1930
Continental United States	6.1	7.9	10.6	13.0	16.9	21.2	25.6	30.9	35.5	41.3
New England	19.9	44.0	50.6	56.3	64.7	75.8	90.2	105.7	119.4	131.8
Maine	5.1	19.5	21.0	21.0	21.7	22.1	23.2	24.8	25.7	26.7
New Hampshire	20.4	35.2	36.1	35.2	38.4	41.7	45.6	47.7	49.1	51.5
Vermont	16.0	34.4	34.5	36.2	36.4	36.4	37.7	39.0	38.6	39.4
Massachusetts	52.6	123.7	153.1	181.3	221.8	278.5	349.0	418.8	479.2	528.6
Rhode Island	64.8	138.3	163.7	203.7	259.2	323.8	401.6	508.5	566.4	614.3
Connecticut	52.1	76.9	95.5	111.5	129.2	154.8	188.5	231.3	286.4	333.4
Middle Atlantic	14.0	59.0	74.6	88.1	105.0	127.1	154.5	193.2	222.6	262.6
New York	12.4	65.0	81.4	92.0	106.7	126.0	152.5	191.2	217.9	261.2
New Jersey	28.1	65.2	89.4	120.6	150.5	192.3	250.7	337.7	420.0	537.8
Pennsylvania	13.4	51.6	64.8	78.6	95.5	117.3	140.6	171.0	194.5	211.8
East North Central	.2	18.4	28.2	37.2	45.7	54.9	65.2	74.3	87.5	103.0
Ohio	1.1	48.6	57.4	65.4	78.5	90.1	102.1	117.0	141.4	168.1
Indiana	(1)	27.5	37.6	46.8	55.1	61.1	70.1	74.9	81.3	89.8
Illinois	15.2	30.6	45.4	55.0	68.3	86.1	100.6	115.7	136.2	162.2
Michigan	6.9	13.0	20.6	28.5	36.4	42.1	48.9	63.8	84.2	84.2
Wisconsin	5.5	14.0	19.1	23.8	30.6	37.4	42.2	47.6	53.2	58.2
West North Central	3.1	3.0	7.6	12.1	17.5	20.8	22.8	24.6	26.0	26.0
Minnesota	(1)	2.1	5.4	9.7	16.2	21.7	25.7	29.5	31.7	31.7
Iowa	3.5	12.1	21.5	29.2	34.4	40.2	40.0	43.2	44.5	44.5
Missouri	9.9	17.2	25.0	31.6	39.0	45.2	47.9	49.5	52.8	52.8
North Dakota	(2)	(2)	(2)	(2)	2.7	4.5	8.2	9.2	9.7	9.7
South Dakota	(2)	(2)	(2)	(2)	4.5	5.2	7.6	8.3	9.0	9.0
Nebraska		.2	1.6	5.9	13.8	13.9	15.5	16.9	17.9	17.9
Kansas		1.3	4.5	12.2	17.5	18.0	20.7	21.6	23.0	23.0
South Atlantic	8.6	17.4	19.9	21.8	28.2	32.9	38.8	43.3	52.0	58.7
Delaware	32.7	46.6	57.1	63.6	74.6	85.7	94.0	103.0	113.5	121.3
Maryland	34.4	58.6	69.1	78.6	94.0	104.9	119.5	130.3	145.8	161.1
Dist. of Columbia	156.6	891.2	1,294.5	2,270.7	3,062.5	3,972.3	4,645.3	5,517.8	7,292.9	7,852.7
Virginia	13.7	22.1	24.8	30.4	37.6	41.1	46.1	51.2	57.4	60.2
West Virginia				18.4	25.7	31.8	39.9	50.8	60.9	72.0
North Carolina	9.8	17.8	20.4	22.0	28.7	33.2	38.9	45.3	52.5	65.0
South Carolina	11.3	21.9	23.1	23.1	32.6	37.7	44.0	49.7	55.2	57.0
Georgia	1.5	15.4	18.0	20.2	26.3	31.3	37.7	44.4	49.3	49.5
Florida		1.6	2.6	8.4	4.9	7.1	9.6	13.7	17.7	26.8
East South Central	2.9	18.7	22.4	24.5	31.1	35.8	42.0	46.8	49.5	55.1
Kentucky	5.5	24.4	28.8	32.9	41.0	46.3	53.4	57.0	60.1	65.1
Tennessee	2.5	24.1	26.6	30.2	37.0	42.4	48.5	52.4	56.1	62.8
Alabama		15.0	18.8	19.4	24.6	29.5	35.7	41.7	45.8	51.6
Mississippi	.3	13.1	17.1	17.9	24.4	27.8	33.5	38.8	38.6	43.4
West South Central	2.6	4.9	5.6	9.3	11.0	15.2	20.4	23.8	28.3	28.3
Arkansas	4.0	8.3	9.2	15.3	21.5	25.0	30.0	33.4	35.3	35.3
Louisiana	11.4	15.6	16.0	20.7	24.6	30.4	36.5	39.6	46.3	46.3
Oklahoma					3.7	11.4	23.9	29.2	34.5	34.5
Texas		.8	2.3	3.1	6.1	8.5	11.6	14.8	17.8	22.2
Mountain	.2	.3	.4	.8	1.4	1.9	3.1	3.9	4.3	4.3
Montana				.3	1.0	1.7	2.6	3.8	3.7	3.7
Idaho				.2	1.1	1.9	3.9	5.2	5.3	5.3
Wyoming				.1	.2	.6	.9	1.5	2.0	2.3
Colorado		.3	.4	1.9	4.0	5.2	7.7	9.1	10.0	10.0
New Mexico	.3	.4	.7	1.0	1.3	1.6	2.7	2.9	3.5	3.5
Arizona				.1	.4	.8	1.1	1.8	2.9	3.8
Utah	(1)	.3	1.1	1.8	2.6	3.4	4.5	5.5	6.2	6.2
Nevada		.1	.4	.6	.4	.4	.7	.7	.8	.8
Pacific	.2	1.0	2.1	3.5	5.9	7.6	13.2	17.5	25.8	25.8
Washington		.1	.4	1.1	5.3	7.8	17.1	20.3	23.4	23.4
Oregon	(1)	.5	1.0	1.8	3.3	4.3	7.0	8.2	10.0	10.0
California	.6	2.4	3.6	5.5	7.8	9.5	15.3	22.0	36.5	36.5

¹ Less than one-tenth of 1 per cent.

² Dakota Territory: Less than one-tenth of 1 per cent in 1860, 0.1 in 1870, and 0.9 in 1880.

³ Oklahoma and Indian Territory combined. Separate data are as follows: Indian Territory, 5.9 in 1890 and 12.7 in 1900, Oklahoma, 2.0 in 1890 and 10.3 in 1900.

Source: Bureau of the Census, Department of Commerce.

POPULATION BY STATES

No. 6.—POPULATION BY STATES

NOTE.—The census of 1870 in the

Division and State	Population							
	1790	1800	1810	1820	1830	1840	1850	1860
1 Continental U S.....	3,929,214	5,308,483	7,239,881	9,638,453	12,866,020	17,069,453	23,191,876	31,443,321
2 New England.....	1,009,408	1,233,011	1,471,973	1,660,071	1,854,717	2,234,822	2,738,116	3,135,233
3 Maine.....	96,540	151,719	228,705	298,335	399,455	501,793	583,169	628,279
4 New Hampshire.....	141,885	183,858	214,460	244,161	269,328	284,574	317,976	326,073
5 Vermont.....	85,425	154,465	217,895	235,981	280,652	291,948	314,120	315,098
6 Massachusetts.....	378,787	422,845	472,040	523,287	610,408	737,699	994,514	1,231,066
7 Rhode Island.....	68,825	69,122	76,931	83,059	97,199	108,830	147,545	174,620
8 Connecticut.....	237,946	251,002	261,942	275,248	297,675	309,978	370,792	460,147
9 Middle Atlantic.....	958,632	1,402,565	2,014,702	2,699,845	3,587,664	4,526,260	5,898,735	7,458,985
10 New York.....	340,120	589,051	959,049	1,372,812	1,918,608	2,428,921	3,097,394	3,880,735
11 New Jersey.....	184,139	211,149	245,562	277,575	320,823	373,306	489,555	672,035
12 Pennsylvania.....	434,373	602,365	810,091	1,049,458	1,348,233	1,724,033	2,311,780	2,906,215
13 East North Central.....	-----	51,006	272,342	792,719	1,470,018	2,924,728	4,523,260	6,926,834
14 Ohio.....	-----	45,365	230,760	581,434	937,903	1,519,467	1,980,329	2,339,511
15 Indiana.....	-----	5,641	24,520	147,173	343,031	685,866	988,416	1,350,428
16 Illinois.....	-----	-----	12,282	55,211	157,445	476,183	851,470	1,711,951
17 Michigan.....	-----	-----	4,762	8,896	31,639	212,267	397,654	749,113
18 Wisconsin.....	-----	-----	-----	-----	-----	30,945	305,391	776,881
19 West North Central.....	-----	-----	19,783	66,586	140,455	426,814	880,335	2,169,832
20 Minnesota.....	-----	-----	-----	-----	-----	-----	6,077	172,023
21 Iowa.....	-----	-----	-----	-----	-----	43,112	192,214	674,913
22 Missouri.....	-----	-----	19,783	66,586	140,455	383,702	682,044	1,182,012
23 North Dakota.....	-----	-----	-----	-----	-----	-----	-----	(^c)
24 South Dakota.....	-----	-----	-----	-----	-----	-----	-----	4,837
25 Nebraska.....	-----	-----	-----	-----	-----	-----	-----	28,841
26 Kansas.....	-----	-----	-----	-----	-----	-----	-----	107,200
27 South Atlantic.....	1,851,806	2,288,494	2,674,891	3,061,063	3,645,752	3,925,290	4,679,090	5,364,703
28 Delaware.....	59,096	64,273	72,674	72,749	76,748	78,085	91,632	112,216
29 Maryland.....	319,728	341,548	380,546	407,350	447,040	470,019	533,034	687,049
30 Dist. of Col.....	747,610	14,063	24,023	33,039	39,834	43,712	51,637	75,080
31 Virginia.....	-----	880,200	974,600	1,066,366	1,211,405	1,239,797	1,421,661	1,596,818
32 West Virginia.....	-----	-----	-----	-----	-----	-----	-----	-----
33 North Carolina.....	393,751	478,103	555,500	638,329	737,987	753,419	869,039	992,622
34 South Carolina.....	249,073	345,591	415,115	502,741	581,185	594,398	668,507	703,708
35 Georgia.....	82,548	162,686	252,433	340,989	516,823	691,392	906,185	1,057,286
36 Florida.....	-----	-----	-----	-----	34,730	54,477	87,445	140,424
37 East South Central.....	109,368	335,407	708,590	1,190,499	1,815,969	2,575,445	3,363,271	4,020,991
38 Kentucky.....	73,677	220,955	406,511	564,317	687,917	779,828	982,405	1,155,684
39 Tennessee.....	35,691	105,602	261,727	422,823	681,904	829,210	1,002,717	1,109,801
40 Alabama.....	-----	-----	-----	127,901	309,527	590,756	771,623	964,201
41 Mississippi.....	-----	8,850	40,352	75,448	136,621	375,651	606,526	791,305
42 West South Central.....	-----	-----	77,618	167,680	246,127	449,985	940,251	1,747,667
43 Arkansas.....	-----	-----	71,062	14,273	30,388	97,574	209,897	433,450
44 Louisiana.....	-----	-----	76,556	153,407	215,739	352,411	517,762	708,002
45 Oklahoma.....	-----	-----	-----	-----	-----	-----	-----	-----
46 Texas.....	-----	-----	-----	-----	-----	-----	212,592	604,215
47 Mountain.....	-----	-----	-----	-----	-----	-----	72,927	174,923
48 Montana.....	-----	-----	-----	-----	-----	-----	-----	-----
49 Idaho.....	-----	-----	-----	-----	-----	-----	-----	-----
50 Wyoming.....	-----	-----	-----	-----	-----	-----	-----	-----
51 Colorado.....	-----	-----	-----	-----	-----	-----	-----	34,277
52 New Mexico.....	-----	-----	-----	-----	-----	-----	61,547	93,516
53 Arizona.....	-----	-----	-----	-----	-----	-----	-----	-----
54 Utah.....	-----	-----	-----	-----	-----	-----	11,380	40,273
55 Nevada.....	-----	-----	-----	-----	-----	-----	-----	6,557
56 Pacific.....	-----	-----	-----	-----	-----	-----	105,891	444,053
57 Washington.....	-----	-----	-----	-----	-----	-----	-----	11,594
58 Oregon.....	-----	-----	-----	-----	-----	-----	13,294	52,465
59 California.....	-----	-----	-----	-----	-----	-----	92,597	379,994

1 A minus sign (—) denotes decrease.

2 Includes population (325,464) of Indian Territory and Indian reservations, specially enumerated in 1890, but not included in the general report on population for 1890

3 Includes persons (5,318 in 1830 and 6,100 in 1840) on public ships in the service of the United States not credited to any division or State

Source: Bureau of the Census, Department of Commerce.

POPULATION BY STATES

5

AT EACH CENSUS, 1790 TO 1930

Southern States is considered incomplete

Population—Continued							Per cent increase ¹		Per cent distribution		
1870	1880	1890 ²	1900	1910	1920	1930	1900-1930	1920-1930	1920	1930	
38,558,371	50,155,783	62,947,714	75,994,573	91,972,266	105,710,620	122,775,046	61.6	16.1	100.0	100.0	1
3,487,924	4,010,529	4,700,749	5,582,017	6,552,631	7,400,909	8,166,341	48.0	10.3	7.0	6.7	2
626,015	648,336	661,086	694,466	742,372	768,014	793,423	14.8	3.8	7.7	7.3	3
313,300	346,991	376,430	411,588	430,572	443,083	465,293	13.0	5.0	4.4	4.4	4
330,551	332,286	332,422	343,641	355,656	352,428	359,611	4.6	2.0	3.3	3.5	5
1,457,351	1,783,085	2,238,947	2,805,346	3,366,416	3,852,356	4,249,614	51.5	10.3	3.6	3.5	6
217,353	276,531	345,501	428,556	542,610	604,397	687,497	60.4	13.7	0.6	0.6	7
537,454	622,700	746,258	908,420	1,114,756	1,380,631	1,606,903	76.9	16.4	1.3	1.3	8
8,810,806	10,496,878	12,706,220	15,454,678	19,315,892	22,261,144	26,260,750	69.9	18.0	21.1	21.4	9
4,382,759	5,082,871	6,003,174	7,268,894	9,113,614	10,385,227	12,588,066	73.2	21.2	9.8	10.3	10
906,096	1,131,116	1,444,933	1,883,669	2,537,167	3,155,900	4,041,334	114.5	28.1	3.0	3.3	11
3,521,951	4,282,891	5,258,113	6,302,115	7,665,111	8,720,017	9,631,350	52.8	10.5	8.2	7.8	12
9,124,517	11,206,688	13,478,305	15,985,581	18,250,621	21,475,543	25,297,185	58.3	17.8	20.3	20.6	13
2,665,260	3,198,062	3,672,329	4,157,545	4,767,121	5,759,394	6,648,697	59.9	15.4	5.4	5.4	14
1,680,637	1,978,301	2,192,404	2,516,402	2,700,876	2,930,390	3,238,503	28.7	10.5	2.8	2.6	15
2,539,891	3,077,871	3,826,352	4,821,550	5,638,591	6,485,280	7,630,654	58.3	17.7	6.1	6.2	16
1,184,059	1,636,937	2,063,890	2,420,932	2,810,173	3,068,412	3,842,325	100.0	32.0	3.5	3.9	17
1,054,670	1,315,437	1,683,330	2,069,442	2,333,800	2,632,067	2,939,006	42.0	11.7	2.5	2.4	18
3,856,594	6,157,443	8,932,112	10,347,423	11,637,921	12,544,249	13,286,915	28.5	6.0	11.9	10.8	19
4,339,706	780,773	1,310,283	1,751,394	2,075,708	2,387,125	2,563,953	46.4	7.4	2.3	2.1	20
1,194,020	1,624,615	1,912,297	2,231,853	2,224,771	2,404,021	2,700,983	10.7	2.8	2.3	2.0	21
1,721,295	2,168,380	2,679,185	3,106,665	3,293,335	3,404,055	3,629,367	16.8	6.6	3.2	3.0	22
2,240,5	2,36,909	190,983	319,146	577,056	646,872	680,845	113.3	5.3	6.6	6.3	23
511,776	98,268	348,600	401,570	583,888	636,547	692,849	72.5	8.8	0.6	0.6	24
122,993	452,402	1,062,656	1,066,300	1,192,214	1,296,372	1,377,963	29.2	6.3	1.2	1.1	25
364,399	996,096	1,428,108	1,470,495	1,690,949	1,769,257	1,880,999	27.9	6.3	1.7	1.5	26
5,853,610	7,597,197	8,857,922	10,443,480	12,194,895	13,890,272	15,793,589	51.2	12.9	13.2	12.9	27
125,015	146,608	168,493	184,735	202,322	223,003	238,380	29.0	6.9	2.2	2.2	28
780,894	934,943	1,042,390	1,188,044	1,295,346	1,449,661	1,631,526	37.3	12.5	1.4	1.3	29
1,311,700	1,777,624	2,300,392	2,788,718	3,311,069	4,377,571	5,426,869	74.7	11.3	4.4	4.0	30
1,225,163	1,612,565	1,655,980	1,854,184	2,061,612	2,309,187	2,421,851	50.6	4.9	2.2	2.0	31
4,442,014	6,185,487	7,627,794	9,855,800	11,221,119	1,463,701	1,729,205	80.4	18.1	1.4	1.4	32
1,071,361	1,869,750	1,617,940	1,893,100	2,066,287	2,559,123	3,170,276	67.4	23.9	2.4	2.6	33
705,006	965,577	1,151,149	1,340,316	1,515,400	1,683,724	1,738,765	29.7	3.3	1.6	1.4	34
1,184,109	1,542,180	1,837,353	2,216,331	2,609,121	2,895,832	2,908,501	31.2	4.4	2.7	2.4	35
187,748	269,493	391,422	528,542	752,619	968,470	1,468,211	177.8	51.6	9.9	1.2	36
4,404,445	5,585,151	6,429,154	7,547,757	8,409,901	8,893,307	9,887,214	31.0	11.2	8.4	8.1	37
1,321,011	1,648,690	1,858,635	2,147,174	2,289,905	2,416,630	2,614,589	21.8	8.2	2.3	2.1	38
1,258,520	1,542,359	1,767,618	2,020,616	2,184,789	2,337,885	2,616,556	29.5	11.9	2.2	2.1	39
966,992	1,262,505	1,513,401	1,828,697	2,138,093	2,348,174	2,646,248	44.7	12.7	2.2	2.2	40
827,922	1,131,597	1,289,600	1,551,270	1,797,114	1,790,618	2,009,821	29.6	12.2	1.7	1.6	41
2,029,865	3,334,220	4,740,983	6,532,290	8,784,534	10,242,224	12,176,830	86.4	18.9	9.7	9.9	42
484,471	802,525	1,128,211	1,311,564	1,574,449	1,752,204	1,854,482	41.4	5.8	1.7	1.5	43
726,915	939,946	1,118,688	1,381,625	1,656,383	1,798,509	2,101,593	52.1	16.9	1.7	1.7	44
318,579	1,591,749	2,235,527	3,048,710	3,896,542	4,663,228	5,824,715	91.1	24.9	4.4	4.7	45
515,385	653,119	1,213,933	1,674,657	2,633,101	3,336,101	3,701,789	121.0	11.0	3.2	3.0	47
20,595	39,159	142,924	243,329	376,053	548,859	537,606	120.9	-2.1	5.5	4.4	48
14,999	32,610	88,548	161,772	325,594	431,866	445,032	175.1	3.0	4.4	4.4	49
9,118	20,789	62,555	92,531	145,965	194,402	225,565	143.8	16.0	2.2	2.2	50
39,864	194,327	413,249	539,700	799,024	939,629	1,035,791	91.9	10.2	9.9	8.1	51
91,874	119,565	160,282	195,310	327,301	360,350	423,317	116.7	17.5	3.3	3.2	52
9,658	40,440	88,243	122,931	204,354	334,162	435,573	254.3	30.3	3.3	4.3	53
86,786	143,963	210,779	276,749	373,351	449,396	507,847	83.5	13.0	4.4	4.4	54
42,491	62,266	47,355	42,335	81,875	77,407	91,058	115.1	17.6	1.1	1.1	55
675,125	1,114,578	1,888,334	2,416,692	4,192,304	5,566,871	8,194,433	239.1	47.2	5.3	6.7	56
23,955	75,116	357,232	518,103	1,141,900	1,350,621	1,563,396	201.8	15.2	1.3	1.3	57
90,923	174,768	317,701	413,536	672,765	783,389	953,786	130.6	21.8	7.7	8.8	58
500,247	864,694	1,213,398	1,455,053	2,377,549	3,426,861	5,677,251	282.3	65.7	3.2	4.6	59

⁴ Population of area taken to form State of Missouri in 1821; part of Louisiana Territory in 1810⁵ Population shown for South Dakota in 1860 represents entire Dakota Territory, for 1870 and 1880, population parts as since existing have been segregated.⁶ Area now constituting West Virginia formed part of Virginia prior to 1870⁷ Population of area taken to form Arkansas Territory in 1819, part of Louisiana Territory in 1810.⁸ Includes population of Indian Territory, as follows: 1890, 180,182, 1900, 392,060

No. 7.—DISTRIBUTION OF POPULATION IN GROUPS OF CITIES AND IN RURAL TERRITORY

NOTE.—Prior to 1930 all incorporated places and also towns (townships) in Massachusetts, Rhode Island, and New Hampshire having 2,500 or more inhabitants, are classed as urban areas. For 1930, urban areas also include unincorporated political subdivisions with a total population of 10,000 or more inhabitants and a population density of 1,000 per square mile and include for the three New England States named above only those towns which contain a village of more than 2,500 inhabitants comprising, either by itself or when combined with other villages within the same town, more than 60 per cent of the population of the town. The total urban and rural population for 1880 and 1890 is as follows: Urban—1880, 14,358,167, 1890, 22,298,359; rural—1880, 35,797,616, 1890, 40,649,355; per cent urban—1880, 28.6, 1890, 35.4.

Class	1900		1910		1920	
	Number of places	Population	Number of places	Population	Number of places	Population
Total.....		75,994,575		91,972,266		105,710,620
Urban territory.....	1,801	30,380,433	2,313	42,166,120	2,787	54,304,603
Places of 1,000,000 or more.....	3	6,429,474	3	8,501,174	3	10,145,532
Places of 500,000 to 1,000,000.....	3	1,645,087	5	3,010,687	9	6,223,769
Places of 250,000 to 500,000.....	9	2,861,286	11	3,949,839	13	4,540,888
Places of 100,000 to 250,000.....	23	3,272,490	31	4,840,458	43	6,519,187
Places of 50,000 to 100,000.....	40	2,703,338	59	4,178,615	76	5,265,747
Places of 25,000 to 50,000.....	82	2,800,627	119	4,026,045	143	5,075,041
Places of 10,000 to 25,000.....	280	4,338,250	367	5,524,434	459	6,942,742
Places of 5,000 to 10,000.....	468	3,220,766	612	4,254,856	721	4,997,794
Places of 2,500 to 5,000.....	893	3,103,105	1,106	3,879,732	1,320	4,593,953
Rural territory.....		45,614,142		49,806,146		51,406,017
Incorporated places of less than 2,500..	8,930	6,301,533	11,829	8,164,628	12,853	8,963,125
Other rural territory.....		39,312,609		41,641,518		42,442,892

Class	1930		Per cent of total population			
	Number of places	Population	1900	1910	1920	1930
Total.....		122,775,046	100.0	100.0	100.0	100.0
Urban territory.....	3,165	68,954,823	40.0	45.8	51.4	56.2
Places of 1,000,000 or more.....	5	15,064,555	8.5	9.2	9.6	12.3
Places of 500,000 to 1,000,000.....	8	5,763,987	2.2	3.3	5.9	4.7
Places of 250,000 to 500,000.....	24	7,956,223	3.8	4.3	4.3	6.5
Places of 100,000 to 250,000.....	56	7,540,966	4.3	5.3	6.2	6.1
Places of 50,000 to 100,000.....	98	6,491,448	3.6	4.5	5.0	5.3
Places of 25,000 to 50,000.....	185	6,425,693	3.7	4.4	4.8	5.2
Places of 10,000 to 25,000.....	606	9,097,200	5.7	6.0	6.6	7.4
Places of 5,000 to 10,000.....	851	5,897,156	4.2	4.6	4.7	4.8
Places of 2,500 to 5,000.....	1,332	4,717,590	4.1	4.2	4.3	3.8
Rural territory.....		53,820,223	60.0	54.2	48.6	43.8
Incorporated places of less than 2,500..	13,433	9,183,453	8.3	8.9	8.5	7.5
Other rural territory.....		44,636,770	51.7	45.3	40.2	36.4

No. 8.—POPULATION IN PLACES OF 8,000 INHABITANTS OR MORE

Year	Total population	Places of 8,000 inhabitants or more			Year	Total population	Places of 8,000 inhabitants or more		
		Population	Number of places	Per cent of total population			Population	Number of places	Per cent of total population
1790.....	3,920,214	131,472	6	3.3	1870.....	38,558,371	8,071,875	226	20.9
1800.....	5,308,483	210,873	6	4.0	1880.....	50,155,783	11,365,698	285	22.7
1810.....	7,219,881	356,920	11	4.9	1890.....	62,947,714	18,244,239	445	29.0
1820.....	9,638,433	475,135	13	4.9	1900.....	75,994,575	25,018,335	547	32.9
1830.....	12,866,020	864,509	26	6.7	1910.....	91,972,266	35,570,334	768	38.7
1840.....	17,089,153	1,453,994	44	8.5	1920.....	105,710,620	46,307,640	924	43.8
1850.....	23,191,876	2,897,586	85	12.5	1930.....	122,775,046	60,333,452	1,208	49.1
1860.....	31,443,321	5,072,256	141	16.1					

Source of Tables 7 and 8. Bureau of the Census, Department of Commerce

No. 9.—URBAN AND RURAL POPULATION, BY STATES

NOTE.—See headnote, Table 7. The proportion of urban and rural population in 1930 as compared with data for earlier censuses was affected by changes in the classification. If the segregation of urban and rural had been made in 1930 on the same basis as in 1920, the per cent urban in 1930 for the areas affected would have been as follows: United States, 55.9; New Hampshire, 66.3; Massachusetts, 95.3; Rhode Island, 97.5; Connecticut, 65.0; New York, 83.4; New Jersey, 77.5; Pennsylvania, 63.7; California, 72.4

Division and State	1910		1920		1930		Per cent urban		
	Urban	Rural	Urban	Rural	Urban	Rural	1910	1920	1930
Continental United States	42, 166, 120	49, 806, 146	54, 304, 603	51, 406, 017	68, 954, 823	53, 820, 223	45.8	51.4	56.2
New England	4, 998, 082	1, 654, 599	5, 865, 073	1, 535, 836	8, 311, 976	1, 854, 365	76.3	79.2	77.8
Maine.....	262, 248	480, 123	299, 569	468, 445	321, 506	475, 917	35.3	39.0	46.3
New Hampshire ¹	255, 099	175, 473	279, 761	163, 322	273, 079	192, 214	59.2	63.1	58.7
Vermont.....	98, 917	207, 039	109, 976	242, 452	118, 766	240, 845	27.8	31.2	33.0
Massachusetts ¹	3, 125, 367	241, 449	3, 650, 248	202, 108	3, 831, 426	418, 188	92.8	94.8	90.2
Rhode Island ¹	524, 654	17, 956	589, 180	15, 217	635, 429	52, 068	96.7	97.5	92.4
Connecticut ¹	731, 797	382, 959	936, 339	444, 292	1, 131, 770	473, 133	65.0	67.8	70.4
Middle Atlantic	13, 723, 373	5, 592, 519	16, 672, 595	5, 588, 549	20, 394, 707	5, 866, 043	71.0	74.9	77.7
New York ¹	7, 185, 494	1, 928, 120	8, 589, 844	1, 795, 383	10, 521, 952	2, 066, 114	78.8	82.7	83.6
New Jersey ¹	1, 907, 210	629, 957	2, 474, 936	680, 964	3, 339, 244	702, 090	75.2	78.4	82.6
Pennsylvania ¹	4, 630, 669	3, 034, 442	5, 607, 815	3, 112, 202	6, 533, 511	3, 097, 839	60.4	64.3	67.8
East North Central	9, 617, 271	8, 633, 350	13, 049, 272	8, 426, 271	16, 794, 908	8, 602, 277	52.7	60.8	66.4
Ohio.....	2, 665, 143	2, 101, 978	3, 677, 136	2, 082, 258	4, 507, 371	2, 139, 320	55.9	63.8	67.8
Indiana.....	1, 143, 835	1, 557, 041	1, 482, 855	1, 447, 535	1, 795, 892	1, 442, 611	42.4	50.6	55.5
Illinois.....	3, 476, 929	2, 161, 662	4, 403, 153	2, 082, 127	5, 635, 727	1, 994, 927	61.7	67.9	73.9
Michigan.....	1, 327, 044	1, 483, 129	2, 241, 560	1, 426, 852	3, 302, 075	1, 640, 250	47.2	61.1	68.2
Wisconsin.....	1, 004, 320	1, 329, 540	1, 244, 668	1, 387, 499	1, 553, 843	1, 385, 163	43.0	47.3	52.9
West North Central	3, 873, 718	7, 784, 205	4, 727, 372	7, 818, 877	5, 566, 181	7, 740, 734	33.3	37.7	41.8
Minnesota.....	850, 294	1, 225, 414	1, 051, 593	1, 335, 532	1, 237, 616	1, 306, 337	41.0	44.1	49.0
Iowa.....	680, 054	1, 544, 717	875, 495	1, 528, 526	979, 292	1, 491, 647	60.3	66.4	69.6
Missouri.....	1, 398, 817	1, 894, 518	1, 586, 903	1, 817, 152	1, 859, 119	1, 770, 248	42.5	46.6	51.2
North Dakota.....	63, 236	513, 820	88, 239	556, 633	113, 306	567, 539	11.0	13.6	16.6
South Dakota.....	76, 673	507, 215	101, 872	534, 675	130, 907	561, 942	13.1	16.0	18.9
Nebraska.....	310, 852	881, 362	405, 306	891, 066	486, 107	891, 856	26.1	31.3	35.3
Kansas.....	493, 790	1, 197, 159	617, 964	1, 151, 263	729, 834	1, 151, 165	29.2	34.9	38.8
South Atlantic	3, 092, 153	9, 102, 742	4, 338, 792	9, 651, 480	5, 698, 122	10, 095, 487	25.4	31.0	36.1
Delaware.....	97, 085	105, 237	120, 767	102, 236	123, 146	115, 234	48.0	54.2	51.7
Maryland.....	658, 192	637, 154	869, 422	580, 239	974, 869	656, 667	50.8	60.0	59.8
District of Columbia.....	331, 069	—	437, 571	—	486, 869	—	100.0	100.0	100.0
Virginia.....	476, 529	1, 585, 083	673, 984	1, 635, 203	755, 537	1, 636, 314	23.1	29.2	32.4
West Virginia.....	228, 242	1, 992, 877	369, 007	1, 094, 694	491, 504	1, 237, 701	18.7	25.2	28.4
North Carolina.....	118, 474	1, 857, 813	490, 370	2, 068, 753	800, 847	2, 860, 429	14.4	19.2	25.5
South Carolina.....	224, 830	1, 200, 568	293, 987	1, 389, 787	371, 080	1, 367, 685	14.3	17.5	21.3
Georgia.....	538, 650	2, 070, 471	727, 859	2, 167, 473	895, 492	2, 013, 014	20.6	25.1	30.8
Florida.....	219, 080	533, 539	355, 825	612, 645	769, 778	708, 433	29.1	36.7	51.7
East South Central	1, 574, 229	6, 835, 672	1, 994, 207	6, 899, 100	2, 778, 687	7, 108, 527	18.7	22.4	28.1
Kentucky.....	555, 442	1, 734, 463	633, 543	1, 783, 087	799, 026	1, 815, 563	24.3	26.2	30.6
Tennessee.....	441, 045	1, 743, 744	611, 226	1, 726, 659	896, 538	1, 720, 018	20.1	26.1	34.3
Alabama.....	370, 431	1, 767, 662	509, 317	1, 838, 857	744, 273	1, 901, 975	17.3	21.7	28.1
Mississippi.....	207, 311	1, 589, 803	240, 121	1, 650, 497	338, 850	1, 070, 971	11.5	13.4	16.9
West South Central	1, 957, 456	6, 827, 078	2, 970, 829	7, 271, 395	4, 427, 439	7, 749, 391	22.3	29.0	36.4
Arkansas.....	202, 681	1, 371, 768	290, 497	1, 461, 707	382, 878	1, 471, 604	12.9	16.6	20.6
Louisiana.....	496, 516	1, 159, 872	628, 163	1, 170, 346	833, 532	1, 268, 061	30.0	34.9	39.7
Oklahoma.....	320, 155	1, 337, 000	539, 480	1, 488, 803	821, 681	1, 574, 359	19.1	26.6	34.3
Texas.....	938, 104	2, 958, 438	1, 512, 689	3, 150, 539	2, 389, 348	3, 435, 367	24.3	32.4	41.0
Mountain	147, 511	1, 686, 006	1, 214, 980	2, 121, 121	1, 457, 922	2, 243, 897	38.0	36.4	39.4
Montana.....	138, 420	242, 633	172, 011	376, 878	181, 036	356, 570	35.5	31.3	33.7
Idaho.....	69, 898	255, 696	119, 037	312, 829	129, 507	315, 525	21.5	27.6	29.1
Wyoming.....	43, 221	102, 744	57, 348	137, 054	70, 097	155, 468	29.6	29.5	31.1
Colorado.....	404, 840	394, 184	453, 259	486, 370	519, 882	515, 909	50.7	48.2	50.2
New Mexico.....	46, 571	280, 730	64, 960	295, 390	105, 816	316, 501	14.2	18.0	25.2
Arizona.....	63, 260	141, 094	117, 527	216, 635	149, 856	285, 717	31.0	35.2	34.4
Utah.....	172, 934	200, 417	215, 584	233, 812	265, 244	241, 583	46.3	48.0	52.4
Nevada.....	13, 867	68, 508	15, 254	62, 153	34, 464	56, 594	16.3	19.7	37.8
Pacific	2, 382, 328	1, 809, 975	3, 471, 493	2, 095, 388	5, 534, 881	2, 659, 552	56.8	62.4	67.5
Washington.....	605, 530	536, 460	748, 735	607, 886	884, 539	678, 857	53.0	55.2	56.6
Oregon.....	307, 060	365, 705	391, 019	392, 370	489, 746	464, 040	45.6	49.9	51.3
California ¹	1, 469, 739	907, 810	2, 331, 729	1, 095, 132	4, 160, 596	1, 516, 655	61.8	68.0	73.8

¹ See headnote.

No. 10.—FARM POPULATION AND RURAL NONFARM POPULATION: By STATES

Division and State	Farm population				Rural-farm population		Urban-farm population		Rural nonfarm population, 1930
	Number		Per cent of total population						
	1920	1930	1920	1930	1920	1930	1920	1930	
Continental U. S.	31, 614, 269	30, 445, 350	29.9	24.8	31, 358, 640	30, 157, 518	255, 629	287, 837	23, 662, 710
New England.	625, 877	573, 251	8.5	7.0	535, 422	499, 083	90, 455	74, 168	1, 355, 282
Maine.	197, 001	170, 995	25.7	21.4	189, 026	161, 429	8, 575	9, 566	314, 488
New Hampshire.	76, 021	62, 850	17.2	13.5	64, 607	54, 911	11, 414	7, 939	137, 303
Vermont.	125, 263	112, 904	35.5	31.4	124, 445	111, 898	8, 818	1, 006	128, 947
Massachusetts.	118, 554	123, 255	3.1	2.9	61, 732	80, 309	56, 822	42, 946	337, 879
Rhode Island.	15, 136	16, 477	2.5	2.4	5, 315	10, 289	9, 821	6, 188	41, 779
Connecticut.	93, 302	86, 770	6.8	5.4	90, 297	80, 247	3, 005	6, 523	394, 886
Middle Atlantic.	1, 892, 789	1, 707, 719	8.5	6.5	1, 861, 161	1, 673, 694	31, 693	34, 025	4, 192, 349
New York.	800, 747	719, 920	7.7	5.7	782, 954	706, 446	17, 793	13, 483	1, 359, 668
New Jersey.	143, 708	131, 096	4.6	3.2	136, 847	121, 008	6, 861	10, 088	581, 082
Pennsylvania.	948, 334	856, 694	10.9	8.9	941, 360	846, 240	6, 074	10, 454	2, 251, 599
East North Central.	4, 913, 633	4, 488, 933	22.9	17.7	4, 887, 204	4, 453, 114	26, 429	35, 819	4, 049, 163
Ohio.	1, 139, 329	1, 013, 229	19.8	15.2	1, 133, 912	1, 004, 288	5, 417	8, 941	1, 135, 038
Indiana.	907, 295	813, 007	31.0	25.1	902, 820	808, 981	4, 475	4, 026	633, 630
Illinois.	1, 098, 262	999, 249	16.9	13.1	1, 090, 736	991, 401	7, 526	7, 848	1, 003, 526
Michigan.	848, 710	782, 394	23.1	16.2	844, 499	775, 436	4, 211	6, 958	764, 814
Wisconsin.	920, 037	881, 054	35.0	30.0	915, 237	873, 008	4, 800	8, 046	512, 155
West North Central.	5, 171, 596	5, 088, 135	41.2	38.1	5, 153, 183	5, 035, 561	18, 413	32, 574	2, 705, 173
Minnesota.	897, 181	895, 349	37.6	34.9	893, 460	888, 049	3, 721	7, 300	418, 288
Iowa.	984, 799	977, 906	41.0	39.6	977, 694	964, 659	7, 105	13, 247	526, 989
Missouri.	1, 211, 346	1, 114, 484	35.6	30.7	1, 207, 899	1, 108, 969	3, 447	5, 515	661, 279
North Dakota.	394, 500	397, 294	61.0	58.4	393, 622	396, 871	878	423	170, 668
South Dakota.	362, 221	390, 205	56.9	56.3	361, 886	389, 431	335	774	172, 511
Nebraska.	584, 172	585, 701	45.1	42.5	582, 738	582, 981	1, 434	2, 720	308, 875
Kansas.	737, 377	707, 196	41.7	37.6	735, 884	704, 601	1, 493	2, 595	446, 564
South Atlantic.	6, 416, 698	5, 898, 176	45.9	37.3	6, 397, 757	5, 878, 956	18, 941	19, 220	4, 216, 511
Delaware.	51, 212	46, 530	23.0	19.5	51, 151	46, 302	61	228	68, 932
Maryland.	279, 225	237, 456	19.3	14.6	277, 656	236, 172	1, 569	1, 254	420, 485
Dist. of Columbia.	894	435	4.2	3.1	894	435	894	435	687, 568
Virginia.	1, 064, 417	950, 757	46.1	39.2	1, 059, 913	948, 746	4, 504	2, 011	736, 921
West Virginia.	1, 477, 924	1, 449, 114	32.7	28.0	1, 476, 631	1, 447, 750	1, 293	1, 364	789, 951
North Carolina.	1, 501, 227	1, 599, 913	58.7	50.5	1, 499, 946	1, 597, 220	1, 281	2, 698	783, 209
South Carolina.	1, 074, 693	916, 471	63.8	52.7	1, 072, 479	914, 098	2, 214	2, 373	453, 557
Georgia.	1, 685, 213	1, 418, 514	58.2	48.8	1, 680, 611	1, 413, 719	4, 602	4, 795	599, 295
Florida.	281, 893	278, 981	29.1	19.0	279, 370	274, 949	2, 523	4, 032	433, 484
East South Central.	5, 182, 937	5, 095, 096	58.3	51.5	5, 174, 808	5, 084, 435	8, 131	10, 661	2, 024, 092
Kentucky.	1, 304, 862	1, 176, 524	54.0	45.0	1, 302, 342	1, 174, 232	2, 520	2, 292	641, 331
Tennessee.	1, 271, 708	1, 215, 452	54.4	46.5	1, 269, 179	1, 213, 065	2, 529	2, 387	506, 953
Alabama.	1, 336, 885	1, 340, 277	56.9	50.6	1, 334, 513	1, 336, 409	1, 372	3, 868	565, 566
Mississippi.	1, 270, 482	1, 362, 843	71.0	67.8	1, 268, 772	1, 360, 729	1, 710	2, 114	310, 242
West South Central.	5, 228, 199	5, 326, 412	51.0	43.7	5, 210, 570	5, 307, 989	17, 629	18, 473	2, 441, 452
Arkansas.	1, 147, 049	1, 119, 464	65.5	60.4	1, 144, 482	1, 117, 330	2, 567	2, 134	354, 274
Louisiana.	786, 050	830, 066	43.7	39.5	784, 455	826, 882	1, 595	3, 724	441, 179
Oklahoma.	1, 017, 327	1, 024, 070	50.2	42.7	1, 015, 899	1, 021, 174	1, 428	2, 896	553, 185
Texas.	2, 277, 773	2, 352, 272	48.8	40.4	2, 265, 734	2, 342, 553	12, 039	9, 719	1, 092, 814
Mountain.	1, 168, 387	1, 138, 718	35.0	30.8	1, 152, 989	1, 123, 693	15, 374	15, 025	1, 120, 174
Montana.	225, 637	204, 594	41.1	38.1	225, 393	203, 962	278	632	152, 003
Idaho.	200, 902	188, 365	46.5	42.3	196, 565	186, 100	4, 339	2, 265	122, 623
Wyoming.	67, 306	73, 152	34.6	32.4	67, 076	72, 905	230	247	82, 461
Colorado.	266, 073	282, 827	28.3	27.3	265, 281	281, 038	792	1, 789	234, 871
New Mexico.	161, 446	158, 631	44.8	37.5	160, 542	157, 906	904	725	158, 595
Arizona.	90, 560	98, 995	27.1	22.7	90, 167	98, 819	393	176	186, 898
Utah.	140, 249	115, 713	31.2	22.8	131, 872	106, 667	8, 377	9, 046	134, 916
Nevada.	16, 164	16, 441	20.9	18.1	16, 103	16, 296	61	145	40, 298
Pacific.	1, 014, 173	1, 148, 910	18.2	14.0	985, 544	1, 101, 038	28, 629	47, 372	1, 558, 514
Washington.	283, 382	304, 737	20.9	19.5	280, 022	300, 143	3, 360	4, 594	378, 714
Oregon.	214, 021	223, 667	27.3	23.5	212, 009	221, 545	2, 012	2, 122	242, 495
California.	516, 770	620, 506	15.1	10.9	493, 513	579, 350	23, 257	41, 156	937, 305

Source: Bureau of the Census, Department of Commerce.

POPULATION BY STATES

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No. 11.—POPULATION: ANNUAL MIDYEAR ESTIMATES BY STATES

NOTE.—Estimates of population from 1924 to 1930 are based on the assumption that the increase (or decrease) each year between the censuses of 1920 and 1930 is equal to the annual average change between the two enumerations. For 1931 to 1933, the total population is estimated upon the basis of the available birth, death, immigration and emigration figures and the increase in the United States total distributed to the various States according to the per cent which each State increase was of the United States increase between 1920 and 1930. If a State showed a decrease in population between 1920 and 1930, the 1930 census figure was used and no estimate made. For actual enumerations, 1790 to 1930, see Table 6, p. 4.

[All figures in thousands]

Division and State	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933
Continental United States	113,202	114,867	116,532	118,197	119,862	121,526	123,191	124,070	124,822	125,693
New England	7,787	7,812	7,896	7,961	8,036	8,110	8,185	8,225	8,258	8,288
Maine.....	781	784	787	790	792	795	798	800	801	802
New Hampshire.....	453	455	457	459	462	464	466	467	468	469
Vermont.....	356	356	357	358	358	359	360	360	360	361
Massachusetts.....	4,027	4,066	4,104	4,143	4,182	4,221	4,259	4,280	4,297	4,318
Rhode Island.....	641	649	657	665	673	681	690	694	698	702
Connecticut.....	1,480	1,502	1,524	1,546	1,568	1,590	1,612	1,624	1,634	1,646
Middle Atlantic	24,017	24,407	24,797	25,188	25,578	25,968	26,360	26,565	26,741	26,945
New York.....	11,352	11,667	11,782	11,997	12,212	12,427	12,643	12,756	12,852	12,965
New Jersey.....	3,545	3,631	3,717	3,804	3,890	3,977	4,063	4,109	4,148	4,193
Pennsylvania.....	9,120	9,209	9,298	9,387	9,476	9,565	9,654	9,700	9,741	9,787
East North Central	23,153	23,526	23,899	24,272	24,645	25,018	25,390	25,587	25,755	25,950
Ohio.....	6,149	6,236	6,322	6,409	6,495	6,582	6,668	6,714	6,753	6,798
Indiana.....	3,066	3,096	3,126	3,156	3,186	3,216	3,246	3,262	3,275	3,291
Illinois.....	6,988	7,100	7,212	7,323	7,435	7,547	7,659	7,718	7,768	7,826
Michigan.....	4,184	4,268	4,313	4,357	4,402	4,456	4,511	4,531	4,583	4,643
Wisconsin.....	2,767	2,797	2,827	2,857	2,887	2,917	2,947	2,962	2,976	2,992
West North Central	12,875	12,948	13,022	13,095	13,168	13,242	13,316	13,352	13,387	13,425
Minnesota.....	2,465	2,482	2,499	2,517	2,534	2,551	2,568	2,577	2,585	2,594
Iowa.....	2,433	2,440	2,446	2,453	2,460	2,466	2,473	2,476	2,479	2,482
Missouri.....	3,503	3,525	3,547	3,569	3,591	3,613	3,635	3,646	3,656	3,668
North Dakota.....	3,662	3,665	3,668	3,671	3,674	3,677	3,680	3,683	3,686	3,689
South Dakota.....	661	667	672	678	683	689	694	697	700	702
Nebraska.....	1,332	1,340	1,348	1,356	1,364	1,372	1,380	1,384	1,388	1,392
Kansas.....	1,818	1,829	1,840	1,851	1,862	1,873	1,884	1,889	1,894	1,900
South Atlantic	14,782	14,958	15,134	15,310	15,486	15,662	15,838	15,930	16,009	16,102
Delaware.....	230	231	233	234	236	237	239	240	240	241
Maryland.....	1,530	1,547	1,565	1,583	1,600	1,618	1,636	1,645	1,653	1,663
Dist. of Columbia.....	459	464	469	474	478	483	488	491	493	495
Virginia.....	2,359	2,370	2,381	2,392	2,403	2,414	2,425	2,430	2,435	2,441
West Virginia.....	1,580	1,606	1,632	1,658	1,684	1,710	1,736	1,749	1,761	1,774
North Carolina.....	2,827	2,887	2,947	3,006	3,066	3,126	3,185	3,217	3,244	3,275
South Carolina.....	1,708	1,713	1,719	1,724	1,729	1,735	1,740	1,743	1,745	1,748
Georgia.....	2,901	2,903	2,904	2,905	2,906	2,908	2,909	2,909	2,910	2,911
Florida.....	1,188	1,237	1,285	1,334	1,383	1,432	1,480	1,506	1,528	1,554
East South Central	9,390	9,427	9,524	9,621	9,718	9,814	9,911	9,983	10,006	10,056
Kentucky.....	2,504	2,523	2,542	2,561	2,581	2,600	2,619	2,630	2,638	2,648
Tennessee.....	2,460	2,487	2,515	2,542	2,569	2,596	2,623	2,638	2,650	2,664
Alabama.....	2,479	2,508	2,537	2,566	2,595	2,624	2,654	2,669	2,682	2,697
Mississippi.....	1,887	1,908	1,930	1,951	1,972	1,994	2,015	2,026	2,036	2,047
West South Central	11,092	11,286	11,469	11,658	11,847	12,035	12,224	12,324	12,409	12,507
Arkansas.....	1,797	1,807	1,817	1,827	1,837	1,847	1,857	1,862	1,867	1,872
Louisiana.....	1,932	1,961	1,991	2,020	2,050	2,079	2,109	2,125	2,138	2,153
Oklahoma.....	2,190	2,226	2,261	2,297	2,333	2,369	2,405	2,424	2,440	2,459
Texas.....	5,173	5,286	5,400	5,513	5,626	5,740	5,853	5,913	5,964	6,023
Mountain	3,497	3,532	3,568	3,604	3,639	3,675	3,709	3,730	3,748	3,766
Montana.....	544	543	542	541	540	538	536	538	538	539
Idaho.....	436	439	440	441	443	444	445	447	447	447
Wyoming.....	208	211	214	217	220	223	226	228	229	231
Colorado.....	982	991	1,001	1,010	1,019	1,029	1,038	1,043	1,047	1,052
New Mexico.....	388	394	400	406	413	419	425	428	431	434
Arizona.....	379	389	398	408	418	428	438	443	448	453
Utah.....	475	481	486	492	498	504	509	512	515	518
Nevada.....	83	85	86	87	89	90	91	92	93	93
Pacific	6,720	6,977	7,233	7,489	7,746	8,002	8,258	8,394	8,509	8,644
Washington.....	1,447	1,468	1,488	1,508	1,528	1,548	1,568	1,579	1,588	1,599
Oregon.....	858	875	891	908	925	941	958	967	974	983
California.....	4,415	4,634	4,854	5,073	5,293	5,513	5,732	5,848	5,947	6,062

1 Population Apr 1, 1930, population decreased 1920 to 1930, no estimate made.

Source. Bureau of the Census, Department of Commerce.

No. 12.—POPULATION: ANNUAL MIDYEAR ESTIMATES FOR CONTINENTAL UNITED STATES, AND CERTAIN OUTLYING TERRITORIES AND POSSESSIONS

NOTE.—Estimates, except for continental United States, 1931 to 1934, are based on the assumption that the increase each year between two successive censuses is equal to the annual average increase between the two enumerations. Estimates for continental United States, 1931 to 1934, are based on available data regarding births, deaths, immigration, and emigration

Year	Continental United States	Year	Continental United States	Year	Continental United States	Hawaii	Puerto Rico	Philippine Islands	Panama Canal Zone
1850...	23,260,638	1879...	49,092,687	1907...	87,455,366	181,192	1,073,912	8,368,592	-----
1852...	24,910,926	1880...	50,262,382	1908...	89,073,360	185,031	1,089,709	8,537,784	-----
1853...	25,736,070	1881...	51,541,775	1909...	90,691,354	188,870	1,105,056	8,706,977	-----
1854...	26,561,214	1882...	52,820,688	1910...	92,267,080	193,282	1,121,913	8,876,170	-----
1855...	27,386,359	1883...	54,099,961	1911...	93,682,189	199,874	1,140,638	9,045,363	-----
1856...	28,211,504	1884...	55,379,154	1912...	95,097,298	206,466	1,159,364	9,214,556	1 61,279
1857...	29,036,649	1885...	56,558,347	1913...	96,512,407	213,058	1,178,090	9,383,749	1 57,400
1858...	29,861,704	1886...	57,937,540	1914...	97,927,516	219,650	1,196,816	9,552,942	1 37,706
1859...	30,686,939	1887...	59,216,733	1915...	99,342,625	226,243	1,215,542	9,722,135	1 29,926
1860...	31,502,613	1888...	60,495,927	1916...	100,757,735	232,836	1,234,268	9,891,328	1 31,048
1861...	32,314,118	1889...	61,775,121	1917...	102,172,845	239,429	1,252,994	10,060,521	1 23,295
1862...	33,125,623	1890...	63,056,438	1918...	103,587,955	246,022	1,271,720	10,229,714	1 21,707
1863...	33,937,128	1891...	64,361,124	1919...	105,003,065	252,615	1,290,446	10,398,503	1 21,759
1864...	34,748,633	1892...	65,665,810	1920...	106,543,031	261,396	1,311,717	10,566,889	1 21,650
1865...	35,560,138	1893...	66,970,496	1921...	108,207,853	272,864	1,335,532	10,735,275	1 23,757
1866...	36,371,643	1894...	68,275,182	1922...	109,872,075	284,382	1,359,347	10,903,661	1 23,671
1867...	37,183,148	1895...	69,579,368	1923...	111,537,497	294,900	1,383,162	11,072,047	1 23,671
1868...	37,994,653	1896...	70,884,554	1924...	113,202,319	305,268	1,406,977	11,240,433	1 23,143
1869...	38,806,158	1897...	72,189,240	1925...	114,867,141	316,236	1,430,792	11,408,819	1 27,151
1870...	39,617,663	1898...	73,493,926	1926...	116,531,963	327,204	1,454,607	11,577,205	1 27,692
1871...	40,429,168	1899...	74,798,612	1927...	118,196,785	338,172	1,478,422	11,745,591	1 27,624
1872...	41,240,673	1900...	76,103,298	1928...	119,861,607	349,140	1,502,237	11,913,978	1 28,002
1873...	42,052,178	1901...	77,407,984	1929...	121,526,429	360,109	1,526,052	12,082,366	1 30,300
1874...	42,863,683	1902...	78,712,670	1930...	123,191,000	371,078	1,549,868	12,250,752	1 39,467
1875...	43,675,188	1903...	80,017,356	1931...	124,856,000	382,000	1,573,700	12,419,100	1 41,500
1876...	44,486,693	1904...	81,322,042	1932...	126,521,000	393,000	1,597,500	12,588,400	1 43,100
1877...	45,298,198	1905...	82,627,728	1933...	128,186,000	404,000	1,621,300	12,757,400	1 44,700
1878...	46,109,703	1906...	83,932,414	1934...	129,851,000	415,000	1,645,100	12,926,400	1 46,400

¹ Enumeration by Canal Commission

² Police census

³ Police census, excluding persons in military and naval service

⁴ Police census for 1922

⁵ Federal census, Apr 1, 1930

No. 13.—SEX DISTRIBUTION, BY CLASSES: CONTINENTAL UNITED STATES

NOTE.—Figures for "All other" in 1930 include Mexicans, prior to 1930 Mexicans were classified for the most part as white See footnote 2, Table 14

Class	1910		1920		1930		Males per 100 females		
	Male	Female	Male	Female	Male	Female	1910	1920	1930
All classes.....	47,332,277	44,638,959	53,900,431	51,810,189	62,137,080	60,637,966	106 0	104 0	102 5
White.....	42,178,245	39,553,712	48,430,655	46,390,260	55,163,854	53,700,353	106 6	104 4	102 7
Negro.....	4,885,881	4,941,882	5,209,436	5,253,695	5,855,669	6,035,474	98 9	99 2	97 0
Indian.....	135,133	130,550	125,068	119,369	170,350	162,047	103 5	104 8	105 1
Chinese.....	66,856	4,675	53,891	7,748	59,802	15,152	1,430 1	695 5	894 7
Japanese.....	63,070	9,087	72,707	38,303	81,771	57,063	694 1	189 8	143 3
All other.....	3,092	83	8,674	814	805,634	667,877	(1)	1,065 6	120 6
White population:									
Native, total.....	34,654,457	33,731,955	40,902,333	40,205,828	48,010,145	47,487,655	102 7	101 7	101 1
Native parentage.....	25,229,218	24,259,357	29,636,781	28,785,176	35,460,001	34,676,613	104 0	103 0	102 3
Foreign or mixed parentage.....	9,425,239	9,472,598	11,265,552	11,420,652	12,550,144	12,811,042	99 5	98 6	98 0
Foreign.....	6,456,793	6,459,518	7,810,531	7,884,008	8,438,676	8,560,545	100 0	99 1	98 6
Mixed.....	2,968,446	3,013,080	3,455,021	3,536,644	4,111,468	4,250,497	98 5	97 7	96 7
Foreign born.....	7,523,788	5,821,757	7,528,322	6,184,432	7,153,709	6,212,698	129 2	121 7	115 1
Total population:									
Male.....	16,085,204		19,493,565		25,518,820		32,237,101		38,816,448
Female.....	15,358,117		19,064,806		24,636,963		30,710,613		37,178,127
Males per 100 females.....	104 7		102 2		103 6		105 0		104 4

¹ Ratio not shown, number of females being less than 100

Source of Tables 12 and 13. Bureau of the Census. Department of Commerce

No. 14.—RACE, NATIVITY, AND PARENTAGE: CONTINENTAL UNITED STATES

Class	1870 ¹	1880	1890	1900	1910	1920	1930
All classes.....	38,558,371	50,155,783	62,947,714	75,894,576	81,972,266	105,710,620	122,775,046
White ²	33,589,377	43,402,977	55,101,258	66,809,196	81,731,957	94,820,915	108,864,207
Negro.....	4,880,009	6,580,793	7,488,676	8,833,994	9,827,763	10,463,131	11,891,113
Mexican ³							1,422,533
Indian.....	³ 25,731	³ 66,407	248,253	237,196	265,683	214,437	332,937
Chinese.....	63,199	105,465	107,488	99,863	71,531	61,039	71,954
Japanese.....	55	148	2,039	24,326	72,157	111,010	138,811
All other ⁴					3,175	9,488	50,978
Native (all races).....	32,991,142	43,475,840	53,698,154	65,653,299	78,456,380	91,789,928	108,570,897
Foreign born.....	5,567,229	6,679,943	9,249,560	10,341,276	13,515,886	13,920,692	14,204,149
Native white, total ²	28,095,665	36,843,291	45,979,391	56,593,379	68,386,412	81,108,161	95,497,800
Native parentage.....	22,771,397	28,508,424	34,475,716	40,949,362	49,488,575	58,421,057	70,136,611
Foreign or mixed parentage.....	5,324,268	8,274,867	11,503,675	15,646,017	18,897,837	22,686,204	25,361,185
Foreign.....	4,167,098	6,363,769	8,085,019	10,632,280	12,916,311	15,694,539	16,999,221
Mixed.....	1,157,170	1,911,098	3,418,656	5,013,737	5,981,526	6,991,665	8,361,965
Foreign born, white.....	5,493,712	6,559,679	9,121,897	10,213,817	13,345,546	13,712,754	13,866,407
Per cent of total.....	100 0	100 0	100 0	100 0	100 0	100 0	100 0
White ²	87 1	86 5	87 5	87 9	88 9	89 7	88 7
Negro.....	12 7	13 1	11 9	11 6	10 7	9 9	9 7
Mexican ³							1 2
Indian.....	.1	.1	.4	.3	.3	.2	.3
Chinese.....	.2	.2	.2	.1	.1	.1	.1
Japanese.....	(⁵)	(⁵)	(⁵)	(⁵)	.1	.1	.1
All other ⁴					(⁵)	(⁵)	(⁵)
Native (all races).....	85 6	86 7	85 3	86 4	85 3	86 8	88 4
Foreign born.....	14 4	13 3	14 7	13 6	14 7	13 2	11 6
Native white, total.....	72 9	73 5	73 0	74 5	74 4	76 7	77 8
Native parentage.....	59 1	57 0	54 8	53 9	53 8	57 3	57 1
Foreign or mixed parentage.....	13 8	16 5	13 3	20 6	20 6	21 5	20 7
Foreign.....	10 8	12 7	12 8	14 0	14 0	14 8	13 8
Mixed.....	3 0	3 8	5 4	6 6	6 5	6 6	6 8
Foreign born, white.....	14 2	13 1	14 5	13 4	14 5	13 0	10 9
Increase over preceding census ⁶							
All classes.....	7,115,050	11,597,412	12,466,487	13,046,861	15,977,691	13,738,354	17,064,426
Per cent.....	22 6	30 1	24 9	20 7	21 0	14 9	16 1
White ²	6,666,840	9,813,593	11,580,920	11,707,938	14,922,761	13,088,958	14,743,833
Per cent.....	24 8	29 2	26 7	21 2	22 3	16 0	15 7
Negro.....	438,179	1,700,784	889,247	1,345,318	993,769	635,368	1,428,012
Per cent.....	9 9	34 9	13 5	18 0	11 2	6 5	13 6
Mexican.....							⁹ 721,992
Per cent.....							⁹ 103 1
Indian.....	-18,290	40,676	-7,601	-11,057	28,487	-21,246	87,960
Per cent.....	-41 5	158 1	-11 4	-14 5	12 0	-8 0	36 0
Chinese.....	28,266	42,266	2,010	-17,625	-18,332	-9,892	13,315
Per cent.....	80 9	66 9	1 9	-16 4	-20 4	-13 8	21 6
Japanese.....	55	93	1,891	22,287	47,831	38,853	27,824
Per cent.....		(¹⁰)	1,277 7	1,093 0	196 6	53 8	25 1
All other ⁴					3,175	6,313	41,490
Per cent.....						198 8	437 3
Native (all races).....	5,686,518	10,484,698	9,896,863	11,955,145	12,803,081	13,333,548	16,780,969
Per cent.....	20 8	31 8	22 8	22 3	19 5	17 0	18 3
Foreign born.....	1,428,532	1,112,714	2,569,604	1,091,716	3,174,016	404,806	283,457
Per cent.....	34 5	20 0	38 5	11 8	30 7	3 0	2 0
Native white, total.....	5,269,881	8,747,626	9,018,732	10,615,988	11,791,033	12,721,749	14,632,820
Per cent.....	23 1	31 1	24 5	23 1	20 8	18 6	18 1
Native parentage.....	5,797,027	5,789,924	5,789,924	6,473,646	8,539,213	8,933,382	11,714,657
Per cent.....	25 6	25 6	20 3	18 8	20 9	18 1	20 1
Foreign or mixed parentage.....	2,950,599	3,228,808	4,142,348	3,251,820	3,788,307	3,788,307	2,918,163
Per cent.....	55 4	39 0	36 0	36 0	30 7	30 7	13 0
Foreign.....	2,196,671	1,721,250	2,547,261	2,284,031	2,778,228	2,778,228	1,477,386
Per cent.....	52 7	27 0	27 0	21 5	21 5	21 5	9 5
Mixed.....	753,928	1,507,558	1,595,081	967,789	1,010,139	1,010,139	1,440,777
Per cent.....	65 2	78 9	46 7	19 3	19 3	19 3	20 8
Foreign born, white.....	1,896,959	1,065,967	2,562,188	1,091,950	3,131,723	367,209	111,013
Per cent.....	34 1	19 4	39 1	12 0	30 7	2 8	0 8

¹ Enumeration in Southern States incomplete, this affects especially figures for the negro population.

² White population includes Mexicans prior to 1930. The estimated number of Mexicans included in the white classification in 1920 was as follows: Total, 700,541; native white, 243,181 (172,704 of foreign parentage and 70,477 of mixed parentage), foreign-born white, 457,360. For close comparison with 1930, adjusted figures for 1920 may be obtained by deducting these from the white population as reported in 1920.

³ Exclusive of Indians in Indian Territory and on Indian reservations, not enumerated prior to 1890.

⁴ Comprises Filipinos, Hindus, Koreans, Hawaiian, Malays, Siamese, Samoans, and Maoris.

⁵ Less than one-tenth of 1 per cent. A minus sign (—) denotes decrease.

⁶ Exclusive of 325,464 persons (117,368 whites, 18,636 Negroes, 189,447 Indians, and 13 Chinese), specially enumerated in 1890 in Indian Territory and on Indian reservations.

⁷ Increase over figures adjusted for 1920 on account of Mexicans. See footnote 2.

⁸ Increase over estimated number in 1920.

⁹ Per cent not shown where base is less than 100.

Source: Bureau of the Census, Department of Commerce.

Division and State	Total population					1930			
	1920		1930			Native white			Foreign-born white
	Male	Female	Male	Female	Males per 100 females	Male	Female	Males per 100 females	Male
Continental United States	68,900,481	51,810,189	82,187,080	60,837,966	162.5	48,010,145	47,487,655	101.1	7,153,709
New England	3,672,591	3,728,318	4,024,657	4,141,684	97.2	3,067,723	3,163,080	97.0	904,742
Maine	388,752	379,262	401,285	396,138	101.3	349,764	345,051	101.4	50,299
New Hampshire	222,112	220,971	231,759	233,534	99.2	189,967	191,723	99.1	41,160
Vermont	178,854	173,574	183,260	176,345	103.9	160,080	155,824	102.7	22,524
Massachusetts	1,890,014	1,962,342	2,071,672	2,177,942	95.1	1,632,751	1,605,639	95.2	509,482
Rhode Island	297,524	306,873	335,372	352,125	95.2	246,989	259,313	95.2	83,151
Connecticut	695,335	685,296	801,303	805,600	99.5	588,172	605,630	97.1	197,846
Middle Atlantic	11,206,445	11,054,699	13,188,681	13,072,069	100.9	9,879,094	10,023,969	98.6	2,761,740
New York	5,187,350	5,197,877	6,312,520	6,275,546	100.6	4,441,330	4,517,414	98.3	1,653,170
New Jersey	1,690,075	1,565,825	2,030,644	2,010,690	101.0	1,481,862	1,502,905	98.6	443,132
Pennsylvania	4,429,020	4,290,997	4,845,517	4,785,833	101.2	3,955,902	4,003,649	98.8	665,438
East North Central	11,035,041	10,440,502	12,904,783	12,392,402	104.3	10,605,117	10,448,622	101.5	1,768,458
Ohio	2,955,980	2,803,414	3,361,141	3,285,556	102.1	2,845,524	2,841,461	101.1	351,985
Indiana	1,489,074	1,441,316	1,640,061	1,598,442	102.6	1,498,772	1,482,220	101.1	76,957
Illinois	3,304,833	3,180,447	3,783,457	3,757,197	103.1	3,027,347	3,020,858	100.2	687,937
Michigan	1,923,436	1,739,976	2,519,309	2,323,016	108.4	1,951,137	1,858,766	105.0	464,902
Wisconsin	1,356,718	1,275,349	1,510,815	1,428,191	105.8	1,282,337	1,245,809	103.0	214,677
West North Central	6,459,067	6,085,182	6,785,442	6,511,473	104.2	5,976,171	5,838,039	102.4	591,094
Minnesota	1,245,537	1,141,588	1,316,571	1,247,882	105.5	1,085,126	1,065,653	101.8	217,983
Iowa	1,229,392	1,174,629	1,255,101	1,216,838	103.2	1,151,068	1,131,679	101.7	92,132
Missouri	1,723,819	1,680,736	1,822,866	1,806,501	101.0	1,626,545	1,628,961	100.1	31,299
North Dakota	341,673	359,199	359,615	321,239	112.1	264,141	271,954	98.2	80,373
South Dakota	337,120	269,427	363,600	329,199	110.5	313,006	289,899	108.3	37,665
Nebraska	672,805	623,567	706,348	671,615	105.2	630,013	608,843	103.6	62,386
Kansas	909,221	860,036	961,291	919,708	104.5	876,372	846,759	103.5	38,254
South Atlantic	7,036,445	6,954,429	7,880,634	7,812,955	99.6	5,541,147	5,503,859	100.7	170,300
Delaware	113,755	109,248	121,257	117,123	103.5	94,919	93,590	101.1	9,281
Maryland	729,455	720,266	821,009	810,517	101.3	629,427	629,650	100.0	50,266
District of Columbia	203,543	234,028	231,883	254,986	90.9	153,330	170,652	89.8	15,652
Virginia	1,168,492	1,140,695	1,216,046	1,205,805	100.8	879,949	866,636	101.5	13,701
West Virginia	763,100	700,601	889,871	839,334	106.0	795,879	766,535	103.8	32,864
North Carolina	1,279,062	1,280,061	1,575,208	1,595,068	98.8	1,115,181	1,110,979	100.4	5,089
South Carolina	838,293	845,431	853,158	885,607	96.3	470,192	468,582	100.3	3,120
Georgia	1,444,823	1,451,009	1,434,527	1,473,979	97.3	912,606	910,451	100.2	2,175
Florida	495,320	473,150	737,676	730,536	101.0	489,664	486,484	100.7	32,152
East South Central	4,471,690	4,421,617	4,947,502	4,939,712	100.2	3,810,047	3,556,902	101.5	33,359
Kentucky	1,227,494	1,183,136	1,322,793	1,291,786	102.4	1,196,873	1,169,651	102.3	12,262
Tennessee	1,173,967	1,163,918	1,304,559	1,311,697	99.9	1,064,404	1,061,149	100.3	7,394
Alabama	1,173,105	1,175,069	1,313,239	1,331,239	98.8	848,196	836,869	100.4	9,326
Mississippi	897,124	893,494	1,005,141	1,004,680	100.0	500,574	489,233	102.3	4,347
West South Central	5,265,829	4,976,395	6,188,924	5,989,908	103.3	4,555,245	4,374,504	104.1	97,320
Arkansas	985,228	936,976	939,843	914,639	102.8	896,255	868,478	103.2	6,006
Louisiana	903,335	895,174	1,047,823	1,053,770	99.4	644,305	638,945	100.8	20,376
Oklahoma	1,058,044	970,239	1,233,264	1,162,776	106.1	1,079,456	1,017,215	106.1	15,544
Texas	2,409,222	2,264,006	2,965,994	2,858,721	103.8	2,135,229	2,049,866	104.2	55,394
Mountain	1,789,299	1,546,802	1,949,798	1,751,991	111.3	1,568,710	1,448,962	108.1	169,997
Montana	299,941	248,945	293,228	244,378	120.0	266,894	207,472	114.2	44,899
Idaho	233,919	197,947	237,347	207,685	114.3	214,007	193,101	110.8	18,947
Wyoming	110,359	84,043	124,785	100,780	123.8	105,264	89,145	118.1	12,439
Colorado	492,731	446,898	530,752	505,039	105.1	443,117	432,594	102.4	48,004
New Mexico	190,456	169,894	219,222	204,095	107.4	166,993	156,995	106.4	4,755
Arizona	183,602	150,590	231,304	204,269	113.2	132,145	116,642	113.3	9,392
Utah	232,051	217,345	259,999	247,848	104.9	229,678	222,605	103.1	22,778
Nevada	46,240	31,167	53,161	37,897	140.3	38,712	30,438	127.2	8,563
Pacific	2,964,626	2,602,245	4,268,659	3,925,774	108.7	3,208,891	3,129,719	102.5	658,699
Washington	734,701	621,920	826,392	737,004	112.1	658,330	618,513	106.4	142,594
Oregon	416,334	367,055	499,672	454,114	110.0	427,154	404,400	105.6	62,073
California	1,813,591	1,613,270	2,942,595	2,734,656	107.6	2,123,407	2,106,806	100.8	454,027

Source. Bureau of the Census, Department of Commerce.

AND NATIVITY, BY STATES

1930—Continued														Division and State
Foreign-born white—Contd.		Negro			Mexican		Indian		Chinese		Japanese			
Female	Males per 100 females	Male	Female	Males per 100 females	Male	Female	Male	Female	Male	Female	Male	Female		
6,212,698	115 1	5,855,669	6,035,474	97 0	753,674	683,859	170,350	162,047	59,802	15,152	81,771	57,063	U. S.	
928,568	87.3	46,963	47,123	99.7	69	38	1,273	1,193	3,233	561	277	75	N. E.	
50,069	100.5	597	499	119.6	-----	2	518	494	93	22	2	1	Me.	
41,500	99.2	524	266	197.0	-----	1	33	31	71	13	-----	-----	N. H.	
20,237	112.8	310	258	120.2	-----	1	20	16	29	5	-----	-----	Vt.	
545,174	93.4	26,097	26,268	99.3	43	23	458	416	2,530	443	151	50	Mass.	
87,563	95.0	4,562	5,051	96.3	6	4	154	164	170	27	15	2	R. I.	
185,025	106.9	14,573	14,781	98.6	20	7	90	72	340	51	108	22	Conn.	
2,507,302	110.1	520,828	532,073	97.9	4,550	2,207	4,012	3,697	12,503	1,502	2,740	922	M. A.	
1,538,379	107.5	199,485	213,329	93.5	1,879	1,019	3,584	3,389	8,649	1,016	2,201	729	N. Y.	
401,310	110.4	102,929	105,899	97.2	295	159	123	90	1,608	175	322	117	N. J.	
567,613	117.2	212,845	212,845	102.6	2,376	1,029	305	218	2,246	311	217	76	Pa.	
1,457,486	121.2	475,868	455,082	104.5	37,907	20,410	10,448	9,371	5,421	919	755	267	E. N. C.	
292,166	120.5	159,128	150,176	106.0	2,806	1,231	252	183	1,168	257	131	56	Ohio.	
58,177	132.3	57,068	54,914	103.9	6,708	2,934	153	127	247	32	53	18	Ind.	
580,221	117.4	164,425	164,547	99.9	18,216	10,690	250	219	2,796	398	414	150	Ill.	
375,366	123.9	88,936	80,517	110.5	8,529	4,807	3,835	3,245	902	179	138	38	Mich.	
171,636	125.1	5,511	4,928	117.9	1,648	748	5,951	5,597	308	55	19	5	Wis.	
468,183	126.3	167,550	164,234	102.0	22,925	16,880	24,848	23,397	1,431	307	662	341	W. N. C.	
170,311	128.0	5,005	4,440	112.7	2,069	1,557	5,691	5,386	422	102	51	18	Minn.	
73,606	125.2	8,687	8,393	107.1	2,380	1,915	349	311	126	27	16	8	Iowa	
68,091	119.4	111,929	111,914	100.0	2,834	2,155	338	242	521	113	80	14	Mo.	
44,770	134.4	943	134	181.3	376	232	4,298	4,064	93	10	60	31	N. Dak.	
27,983	134.6	343	303	113.2	481	335	11,172	10,661	64	6	11	8	S. Dak.	
51,980	122.0	7,063	6,689	105.6	3,585	2,736	1,674	1,582	152	42	414	260	Nebr.	
31,462	121.6	33,980	32,364	105.0	11,200	7,950	1,333	1,121	53	7	30	7	Kans.	
133,978	127.1	2,156,531	2,264,857	95.2	425	266	9,657	9,403	1,477	392	278	115	S. A.	
7,604	122.1	16,983	15,619	108.7	24	-----	3	2	32	6	8	-----	Del.	
44,827	112.1	140,506	135,873	103.4	32	18	34	16	389	103	27	11	Md.	
14,280	109.6	62,225	69,843	89.1	41	26	17	23	305	93	50	28	D. C.	
10,119	135.4	321,545	328,620	97.8	20	16	436	343	239	54	37	6	Va.	
18,656	176.2	60,873	54,020	112.7	155	102	15	3	74	12	6	3	W. Va.	
3,699	137.6	446,500	472,147	94.6	8	2	8,353	8,226	59	9	11	6	N. C.	
2,146	145.4	379,300	414,381	91.5	4	5	474	485	38	3	11	4	S. C.	
5,742	142.4	513,451	557,674	92.1	38	9	26	17	181	72	23	9	Ga.	
26,905	119.5	215,148	216,680	99.3	97	88	299	288	160	40	105	48	Fla.	
24,306	137.2	1,301,552	1,356,686	95.9	790	613	1,072	1,034	589	154	32	14	E. S. C.	
9,548	128.7	113,501	112,539	100.9	53	35	16	6	47	13	7	2	Ky.	
5,672	130.4	232,569	245,077	94.9	16	9	85	76	60	10	8	3	Tenn.	
6,384	146.1	457,144	487,690	93.7	27	42	228	237	44	8	16	9	Ala.	
2,702	160.9	498,338	511,380	97.4	694	527	743	715	438	123	1	-----	Miss.	
72,912	133.5	1,125,508	1,156,443	97.3	358,151	337,845	48,270	47,400	1,237	345	432	255	W. S. C.	
4,167	144.1	236,909	241,554	98.1	2,248	161	210	198	158	65	9	3	Ark.	
14,534	140.2	379,173	397,153	95.5	2,362	2,160	800	736	327	95	33	19	La.	
11,209	138.7	86,818	85,380	101.7	4,434	2,920	46,744	45,981	178	28	67	37	Okl.	
43,002	128.8	422,608	432,356	97.7	351,077	332,604	516	485	546	157	323	196	Tex.	
117,917	144.2	16,312	13,813	117.2	132,905	116,409	52,534	49,549	2,675	577	7,036	4,382	Mt.	
28,062	160.0	710	546	130.0	1,766	805	7,604	7,134	427	59	510	243	Mont.	
11,507	164.7	395	273	144.7	907	371	1,833	1,805	295	40	847	574	Idaho	
7,219	172.3	699	551	126.9	4,582	2,592	982	863	113	17	615	381	Wyo.	
37,402	128.3	5,739	6,089	94.3	30,824	26,852	748	647	195	38	1,847	1,366	Colo.	
3,042	156.3	1,531	1,319	116.1	30,775	28,565	14,864	14,077	108	25	157	92	N. Mex.	
6,199	151.5	6,352	4,397	144.5	59,102	55,071	22,471	21,255	845	265	532	347	Ariz.	
20,794	110.5	609	499	122.0	2,728	1,284	1,516	1,353	282	60	2,056	1,213	Utah	
3,692	232.3	277	239	115.9	2,221	869	2,456	2,415	410	73	442	166	Nev.	
501,066	131.5	45,059	45,063	100.0	200,952	169,191	18,235	17,003	31,236	10,395	69,559	50,692	Pac.	
101,662	140.3	3,797	3,043	124.8	477	85	5,778	5,475	1,723	472	10,200	7,637	Wash.	
43,397	143.0	2,121	1,024	118.2	1,247	321	2,442	2,334	1,525	550	2,919	2,039	Oreg.	
356,007	127.5	40,052	40,996	97.7	199,228	163,785	10,018	9,194	27,988	9,373	56,440	41,016	Calif.	

No. 16.—POPULATION:

NOTE.—Figures for "All other" include Mexicans in 1930, prior to 1930, Mexicans were classified for the white popula

Division and State	1880			1890 ¹			1900	
	White	Negro	All other ²	White	Negro	All other	White	Negro
Continental United States.	43, 402, 970	6, 580, 793	172, 020	55, 101, 258	7, 488, 676	357, 780	66, 809, 196	8, 833, 984
New England.....	3, 968, 789	39, 925	1, 815	4, 653, 191	44, 580	2, 978	5, 527, 026	59, 099
Maine.....	646, 852	1, 451	633	659, 263	1, 190	633	692, 226	1, 819
New Hampshire.....	346, 229	685	77	375, 840	614	76	410, 791	862
Vermont.....	331, 218	1, 057	11	331, 418	937	67	342, 771	826
Massachusetts.....	1, 763, 782	18, 697	606	2, 215, 373	22, 144	1, 430	2, 769, 764	31, 974
Rhode Island.....	269, 939	6, 488	104	337, 859	7, 393	254	419, 050	9, 092
Connecticut.....	610, 769	11, 547	384	733, 438	12, 302	518	892, 424	15, 226
Middle Atlantic.....	10, 305, 055	189, 492	2, 331	12, 468, 794	225, 328	12, 100	15, 110, 882	325, 921
New York.....	5, 016, 022	65, 104	1, 745	5, 923, 955	70, 092	9, 127	7, 156, 881	99, 232
New Jersey.....	1, 092, 017	38, 853	246	1, 396, 581	47, 638	714	1, 812, 317	69, 844
Pennsylvania.....	4, 197, 016	85, 535	340	5, 143, 258	107, 590	2, 259	6, 141, 664	156, 845
East North Central.....	11, 012, 047	183, 298	11, 823	13, 253, 725	207, 023	17, 557	15, 710, 053	257, 842
Ohio.....	3, 117, 920	79, 900	242	3, 554, 805	87, 113	411	4, 030, 204	96, 901
Indiana.....	1, 938, 798	39, 228	275	2, 146, 736	45, 215	452	2, 458, 502	57, 505
Illinois.....	3, 031, 151	46, 368	352	3, 768, 472	57, 028	852	4, 734, 873	85, 078
Michigan.....	1, 614, 560	15, 100	7, 277	2, 072, 884	15, 223	5, 783	2, 398, 563	15, 816
Wisconsin.....	1, 309, 618	2, 702	3, 177	1, 680, 828	2, 444	10, 058	2, 057, 911	2, 542
West North Central.....	5, 949, 376	202, 323	5, 744	8, 660, 088	224, 089	47, 935	10, 065, 817	237, 909
Minnesota.....	776, 884	1, 564	2, 325	1, 296, 408	3, 683	10, 192	1, 737, 033	4, 959
Iowa.....	1, 614, 600	9, 516	499	1, 901, 090	10, 685	522	2, 218, 667	12, 693
Missouri.....	2, 022, 826	145, 350	204	2, 528, 458	150, 184	543	2, 944, 843	161, 234
North Dakota.....	36, 192	113	604	182, 407	373	8, 203	311, 712	286
South Dakota.....	96, 955	288	1, 025	328, 010	541	20, 049	380, 714	465
Nebraska.....	449, 764	2, 385	253	1, 047, 096	8, 913	6, 647	1, 056, 526	6, 269
Kansas.....	952, 155	43, 107	834	1, 376, 619	49, 710	1, 779	1, 416, 319	52, 003
South Atlantic.....	4, 654, 112	2, 941, 202	1, 883	5, 592, 149	3, 262, 890	3, 083	6, 706, 058	3, 729, 017
Delaware.....	120, 160	26, 442	6	140, 066	28, 386	41	153, 977	30, 097
Maryland.....	724, 693	210, 230	20	826, 493	215, 657	240	952, 424	235, 004
District of Columbia.....	118, 006	59, 596	22	154, 695	75, 572	125	191, 532	86, 702
Virginia.....	880, 858	631, 616	91	1, 020, 122	635, 438	420	1, 192, 855	660, 722
West Virginia.....	592, 537	25, 886	34	730, 077	32, 690	27	915, 283	43, 499
North Carolina.....	867, 242	531, 277	1, 231	1, 055, 382	561, 018	1, 549	1, 263, 603	624, 469
South Carolina.....	391, 105	604, 332	140	462, 008	888, 934	207	557, 807	752, 321
Georgia.....	816, 906	725, 133	141	978, 357	858, 815	181	1, 181, 294	1, 034, 813
Florida.....	142, 605	126, 690	198	224, 949	166, 180	293	297, 333	230, 730
East South Central.....	3, 657, 593	1, 924, 996	2, 562	4, 305, 668	2, 119, 797	3, 689	5, 044, 847	2, 499, 586
Kentucky.....	1, 377, 179	271, 451	60	1, 590, 462	268, 071	102	1, 862, 309	284, 706
Tennessee.....	1, 138, 831	403, 151	377	1, 336, 637	430, 678	203	1, 540, 186	480, 243
Alabama.....	662, 185	600, 103	217	833, 718	678, 489	1, 194	1, 001, 152	827, 307
Mississippi.....	479, 398	650, 291	1, 908	544, 851	742, 559	2, 190	641, 200	907, 630
West South Central.....	2, 243, 722	1, 087, 705	2, 793	3, 295, 636	1, 878, 090	67, 257	4, 771, 065	1, 694, 066
Arkansas.....	591, 531	210, 666	328	818, 752	309, 117	342	944, 580	366, 856
Louisiana.....	454, 954	483, 655	1, 337	558, 395	559, 193	1, 000	729, 612	650, 804
Oklahoma ³				172, 554	21, 609	64, 494	670, 204	55, 084
Texas.....	1, 197, 237	393, 384	1, 128	1, 745, 935	438, 171	1, 421	2, 420, 609	620, 722
Mountain.....	614, 821	5, 022	33, 276	1, 117, 363	12, 971	83, 601	1, 579, 855	15, 590
Montana.....	35, 385	346	3, 428	127, 690	1, 490	13, 744	226, 283	1, 523
Idaho.....	29, 013	53	3, 544	82, 117	201	6, 230	154, 495	293
Wyoming.....	19, 437	298	1, 054	59, 324	922	2, 309	89, 051	940
Colorado.....	191, 126	2, 435	706	404, 534	6, 215	2, 500	529, 046	8, 570
New Mexico.....	108, 721	1, 015	9, 829	142, 918	1, 956	15, 408	180, 207	1, 610
Arizona.....	35, 160	155	5, 125	55, 734	1, 357	31, 152	92, 903	1, 848
Utah.....	142, 423	232	1, 308	205, 925	588	4, 266	272, 465	672
Nevada.....	53, 556	488	8, 222	39, 121	242	7, 992	35, 405	134
Pacific.....	997, 455	6, 830	110, 293	1, 754, 644	14, 110	119, 580	2, 293, 613	14, 664
Washington.....	67, 199	325	7, 592	340, 829	1, 602	14, 801	496, 304	2, 514
Oregon.....	163, 075	487	11, 206	301, 982	1, 136	14, 536	394, 582	1, 105
California.....	767, 181	6, 018	91, 495	1, 111, 833	11, 322	90, 243	1, 402, 727	11, 045

¹ Includes population specially enumerated in Indian Territory and on Indian reservations.

² Exclusive of Indians in Indian Territory and on Indian reservations, not enumerated at censuses prior to 1890.

Source: Bureau of the Census, Department of Commerce.

RACE, BY STATES

most part as white See footnote 2, Table 14, for the estimated number of Mexicans included in the
tion of 1920

1900 — Contd.	1910			1920			1930			Division and State	
	All other	White	Negro	All other	White	Negro	All other	White	Negro	All other	
351,385	81,731,857	9,827,763	412,546	94,820,916	10,463,131	426,574	108,864,207	11,891,143	2,019,696		U. S.
5,892	6,480,514	66,308	5,861	7,316,079	79,051	5,779	8,065,113	84,086	7,142	N. E.	
921	739,995	1,363	1,013	765,695	1,310	1,009	795,183	1,096	1,144	Me.	
135	429,906	564	102	442,331	621	131	464,350	790	153	N. H.	
44	354,298	1,621	37	351,817	572	39	358,965	568	78	Vt.	
3,608	3,324,926	38,055	3,435	3,803,524	45,466	3,366	4,192,926	52,365	4,323	Mass.	
414	532,492	9,529	589	593,980	10,036	381	677,016	9,913	568	R. I.	
770	1,098,897	15,174	685	1,358,732	21,046	853	1,576,673	29,354	876	Conn.	
17,895	18,880,452	417,870	17,570	21,641,840	600,183	19,121	25,172,104	1,062,899	35,747	M. A.	
12,781	8,966,845	134,191	12,578	10,172,027	198,483	14,717	12,160,293	412,814	24,959	N. Y.	
1,508	2,445,894	89,760	1,513	3,037,087	117,132	1,681	3,829,209	208,828	3,297	Pa.	
3,606	7,467,713	193,919	3,479	8,432,726	284,568	2,723	9,192,602	431,257	7,491		
17,686	17,927,622	300,838	22,163	20,938,862	514,554	22,127	24,277,663	830,450	83,072	E. N. C.	
440	4,654,897	111,452	772	5,571,893	186,187	1,314	6,331,136	309,304	6,257	Ohio.	
455	2,639,961	60,520	595	2,849,071	80,810	509	3,116,136	111,982	10,385	Ind.	
1,599	5,526,962	109,049	2,580	6,299,333	182,274	3,673	7,266,361	328,972	35,321	Ill.	
6,603	2,785,247	17,115	7,811	3,601,627	60,082	6,703	4,650,171	169,453	22,701	Mich.	
8,589	2,320,555	2,900	10,405	2,616,938	5,201	9,928	2,913,859	10,739	14,408	Wis.	
43,697	11,351,621	242,662	43,633	12,225,387	278,521	40,341	12,873,487	331,784	91,644	W. N. C.	
9,399	2,050,227	7,084	9,397	2,368,936	8,809	9,390	2,558,979	9,445	15,555	Minn.	
493	2,209,191	14,973	607	2,384,181	19,005	835	2,448,382	17,330	5,177	Iowa.	
588	3,134,932	157,452	651	3,225,044	178,241	770	3,368,887	223,840	6,640	Mo.	
7,148	509,855	817	6,584	630,154	467	6,451	671,243	377	9,225	N. Dak.	
20,391	563,771	617	19,800	619,947	832	16,568	669,453	646	22,750	S. Dak.	
3,505	1,180,293	7,689	4,232	1,279,219	13,242	3,911	1,353,702	13,752	10,509	Nebr.	
2,173	1,634,852	54,030	2,567	1,708,906	57,925	2,426	1,702,817	66,344	21,808	Kans.	
8,405	8,071,603	4,112,488	10,804	9,648,940	4,325,120	18,212	11,349,284	4,421,388	22,917	S. A.	
61	171,102	31,181	39	192,615	30,335	53	205,694	32,602	84	Del.	
556	1,062,639	232,250	457	1,204,737	244,479	445	1,354,170	276,379	977	Md.	
484	238,128	94,446	495	326,560	109,966	745	353,014	132,068	887	D. C.	
607	1,389,809	671,096	707	1,617,909	690,017	1,261	1,770,405	650,165	1,281	Va.	
68	1,556,817	64,173	129	1,377,235	86,345	121	1,613,934	114,893	378	N. Va.	
5,738	1,500,511	697,843	7,933	1,783,779	763,407	11,937	2,234,948	918,647	16,681	W. Va.	
188	679,161	835,843	396	818,538	864,719	467	944,040	793,681	1,044	S. C.	
224	1,431,802	1,76,987	332	1,680,114	1,206,365	353	1,836,974	1,071,125	407	Ga.	
479	443,634	308,669	316	638,153	329,487	830	1,035,205	431,828	1,178	Fla.	
3,024	5,754,326	2,652,513	3,062	6,367,547	2,523,532	2,228	7,224,614	2,658,238	4,362	E. S. C.	
159	2,027,951	261,656	298	2,180,560	235,938	132	2,388,864	226,040	185	Ky.	
187	1,711,432	473,088	269	1,885,993	451,758	134	2,138,619	477,646	291	Tenn.	
238	1,228,832	908,282	979	1,447,032	900,652	490	1,700,775	944,834	639	Ala.	
2,440	786,111	1,009,487	1,516	853,962	935,184	1,472	996,856	1,009,718	3,247	Miss.	
67,159	6,721,491	1,984,426	76,817	8,115,727	2,063,579	62,918	9,080,961	2,281,951	794,898	W. S. C.	
128	1,131,026	442,891	532	1,279,757	472,220	227	1,374,966	478,463	1,113	Ark.	
1,209	941,086	713,874	1,428	1,096,611	700,257	1,641	1,318,160	776,326	7,107	La.	
64,503	1,444,631	137,612	75,012	1,821,194	149,408	57,681	2,123,424	172,198	100,418	Okla. ³	
1,319	3,204,848	690,049	1,645	3,918,165	741,694	3,369	4,283,491	854,964	686,260	Tex.	
79,212	2,520,455	21,467	91,595	3,212,899	30,801	92,401	3,303,586	30,225	367,978	Mt.	
15,523	360,580	1,834	13,639	534,260	1,658	12,971	517,327	1,256	19,023	Mont.	
6,984	319,221	651	5,732	425,668	920	5,278	437,362	668	6,802	Idaho.	
2,540	140,818	2,235	3,412	190,146	1,375	2,881	214,067	1,250	10,348	Wyo.	
2,084	783,415	11,453	4,156	924,103	11,318	4,208	961,117	11,828	62,846	Colo.	
13,493	304,594	1,028	21,079	334,673	5,733	19,944	331,755	2,850	88,712	N. Mex.	
28,180	171,468	2,699	30,877	291,449	8,005	34,708	264,378	10,749	160,446	Ariz.	
3,612	366,583	1,144	5,624	441,901	1,446	6,049	495,955	1,108	10,784	Utah.	
6,796	74,276	513	7,036	70,699	346	6,362	81,425	516	9,117	Nev.	
108,415	4,023,873	29,195	139,236	5,353,634	47,790	165,447	7,498,875	90,122	605,936	Pac.	
19,285	1,109,111	6,058	26,821	1,319,777	6,883	29,961	1,521,099	6,840	35,457	Wash.	
17,849	655,090	1,492	16,183	769,146	2,144	12,099	937,029	2,234	14,523	Oreg.	
71,281	2,259,672	21,645	96,232	3,264,711	38,763	123,387	5,040,247	81,048	555,956	Calif.	

³ Includes population of Indian Territory for 1890 and 1900.

No. 17.—RACE, NATIVITY,

NOTE.—Figures for 1920 for the native white of foreign parentage and of mixed parentage and for the foreign-

Division and State	Native white						Foreign-born white
	Native parentage		Foreign parentage		Mixed parentage		
	1920	1930	1920	1930	1920	1930	1920
Continental United States.	58,421,957	70,136,614	15,694,539	16,999,221	6,991,665	8,361,965	13,712,754
New England.	2,803,149	3,187,082	1,908,340	2,120,423	735,936	943,298	1,870,654
Maine.....	495,780	515,243	86,150	87,094	76,416	92,478	107,349
New Hampshire.....	225,512	239,438	81,039	83,791	44,547	58,461	91,233
Vermont.....	228,325	234,090	42,100	40,771	36,866	41,043	44,526
Massachusetts.....	1,230,773	1,429,784	1,093,258	1,202,191	401,959	506,315	1,077,534
Rhode Island.....	173,553	210,963	132,660	207,032	64,268	88,307	173,499
Connecticut.....	449,206	537,564	421,133	499,544	111,880	156,694	376,513
Middle Atlantic.	9,631,012	11,449,898	5,397,951	6,254,301	1,700,302	2,198,863	4,912,575
New York.....	3,668,266	4,473,946	2,844,083	3,351,491	873,566	1,133,307	2,786,112
New Jersey.....	1,212,675	1,571,528	829,058	1,044,704	266,741	368,535	738,613
Pennsylvania.....	4,750,071	5,404,424	1,724,810	1,888,106	569,995	697,021	1,387,850
East North Central.	11,790,370	14,500,575	4,043,692	4,370,186	1,881,521	2,182,978	3,223,279
Ohio.....	3,669,122	4,325,311	838,251	921,783	385,823	439,891	678,697
Indiana.....	2,329,544	2,605,744	227,066	225,153	141,593	150,105	150,868
Illinois.....	3,066,563	3,768,990	1,467,036	1,606,599	558,783	672,614	1,206,951
Michigan.....	1,670,447	2,364,038	775,288	917,856	429,257	528,009	726,635
Wisconsin.....	1,054,694	1,436,492	736,051	698,795	366,065	392,359	460,128
West North Central.	7,475,548	8,547,483	2,126,126	1,946,472	1,261,752	1,320,255	1,371,961
Minnesota.....	827,627	1,114,316	708,126	655,750	347,019	380,613	486,164
Iowa.....	1,528,553	1,697,538	376,710	332,051	253,271	253,058	225,647
Missouri.....	2,536,936	2,776,338	300,064	272,240	202,018	200,919	186,026
North Dakota.....	207,966	256,622	203,973	193,107	96,512	116,366	131,503
South Dakota.....	308,598	375,378	141,341	132,497	86,817	95,930	82,391
Nebraska.....	757,064	873,849	231,945	216,227	140,555	148,280	149,652
Kansas.....	1,308,804	1,453,442	163,964	144,000	126,560	125,089	110,578
South Atlantic.	8,779,416	10,412,368	353,643	384,837	199,961	247,801	315,920
Delaware.....	139,876	155,024	23,288	23,477	9,041	10,308	19,810
Maryland.....	893,088	1,039,796	143,208	144,418	66,269	74,863	102,177
Dist. of Columbia.....	239,488	262,427	35,129	36,809	23,695	24,746	28,548
Virginia.....	1,534,494	1,692,703	30,514	28,552	22,116	25,330	30,785
West Virginia.....	1,232,857	1,461,544	56,625	66,854	25,847	34,016	61,096
North Carolina.....	1,765,203	2,208,563	5,737	7,919	5,740	8,678	7,099
South Carolina.....	799,418	925,439	7,025	6,477	5,694	6,838	6,491
Georgia.....	1,642,697	1,792,499	16,371	15,215	13,860	15,343	16,136
Florida.....	532,295	874,373	35,751	55,116	27,099	46,659	43,008
East South Central.	6,092,782	6,971,937	115,484	103,333	87,342	91,679	71,939
Kentucky.....	2,039,134	2,269,540	65,931	54,320	44,715	42,664	30,780
Tennessee.....	1,832,757	2,087,383	20,423	19,303	17,335	18,867	15,478
Alabama.....	1,394,129	1,646,339	19,591	19,700	15,650	19,026	17,602
Mississippi.....	826,762	968,675	9,539	10,010	9,642	11,122	8,019
West South Central.	6,959,785	8,353,280	415,799	300,278	280,810	276,191	459,333
Arkansas.....	1,226,692	1,320,205	19,030	16,130	20,060	19,398	13,975
Louisiana.....	941,724	1,172,572	67,016	61,797	43,000	48,881	44,871
Oklahoma.....	1,679,107	1,994,305	53,083	48,465	49,036	53,901	39,968
Texas.....	3,112,262	3,857,198	276,670	173,886	168,714	154,011	360,519
Mountain.	2,002,508	2,800,255	451,132	401,071	306,034	314,346	453,225
Montana.....	275,803	385,539	101,918	94,580	62,919	66,247	93,620
Idaho.....	234,252	320,189	47,920	42,888	44,533	44,031	38,963
Wyoming.....	122,284	148,381	25,234	26,439	16,773	19,589	25,255
Colorado.....	603,041	669,106	130,059	125,631	74,049	80,974	116,954
New Mexico.....	273,317	302,753	18,865	10,741	13,414	10,464	20,077
Arizona.....	151,145	210,247	39,534	18,902	22,671	19,638	78,099
Utah.....	245,781	318,470	75,901	69,525	63,764	64,188	56,455
Nevada.....	36,285	47,570	11,701	12,365	7,911	9,215	14,802
Pacific.	2,887,387	4,433,736	884,372	1,118,320	548,007	786,554	1,033,888
Washington.....	711,706	873,627	214,618	229,063	143,398	174,153	250,055
Oregon.....	497,726	629,974	95,827	108,797	73,442	92,783	102,151
California.....	1,677,955	2,930,135	573,927	780,460	331,167	519,618	681,662

Source: Bureau of the Census, Department of Commerce.

AND PARENTAGE, BY STATES

born white include Mexicans who were given a separate classification in 1930 See footnote 2, Table 14

Foreign-born white— Contd	Negro		Mexican	Indian		Chinese		Japanese		Division and State
	1920	1930	1930	1920	1930	1920	1930	1920	1930	
13,366,407	10,463,131	11,891,143	1,422,533	244,437	332,397	61,639	74,954	111,010	138,834	U. S.
1,834,310 100,368 82,660 43,061	73,051 1,310 621 572	94,086 1,096 790 568	107 2 1 1	1,715 839 23 24	2,466 1,012 64 36	3,602 161 95 11	3,734 115 84 34	347 7 8 4	352 3 ----- 1	N. E. Me N. H. Vt
1,054,636 170,714 382,871	45,406 10,036 21,046	52,365 9,913 29,354	66 10 27	555 110 159	874 318 162	2,544 225 566	2,973 197 391	191 35 102	201 17 130	Mass R. I. Conn.
5,289,042 3,191,549 844,442 1,233,051	600,183 198,483 117,132 284,568	1,052,899 412,814 208,828 431,257	6,757 2,898 454 3,405	5,940 5,503 100 337	7,709 6,973 213 523	8,812 5,793 1,190 1,829	14,005 9,665 1,783 2,557	3,268 2,686 325 255	3,662 2,930 439 293	M. A. N. Y. N. J. Pa.
3,223,924 644,151 135,134 1,218,158 840,268 386,213	514,554 186,187 80,810 182,274 60,082 5,201	930,450 309,304 111,982 328,972 169,453 10,739	58,317 4,037 9,642 28,906 13,336 2,396	15,695 151 125 194 5,614 9,611	19,817 435 285 469 7,080 11,548	5,043 941 283 2,776 792 251	6,340 1,425 279 3,192 1,081 363	927 130 81 472 184 60	1,022 187 71 504 176 21	E. N. C. Ohio. Ind. Ill. Mich. Wis.
1,059,277 388,294 165,735 149,390 105,148 65,648 115,346 69,716	278,521 8,809 19,005 178,241 467 832 13,242 57,925	331,784 9,445 17,380 223,840 377 646 13,752 66,344	39,805 3,626 4,295 4,989 608 816 6,321 19,150	37,263 8,761 529 171 6,254 16,384 2,888 2,276	48,245 11,077 660 578 8,387 21,833 3,256 2,454	1,678 508 235 412 124 142 189 68	1,738 524 29 634 103 70 194 60	1,215 85 29 135 72 38 804 52	1,003 69 19 94 91 38 674 37	W. N. C. Minn Iowa Mo. N. Dak. S. Dak. Nebr. Kans.
304,278 16,885 95,093 29,932 23,820 51,520 8,788 5,266 13,917 59,057	4,325,120 30,335 244,479 109,966 690,017 86,345 763,407 864,719 1,206,365 329,487	4,421,388 32,602 276,379 132,068 650,165 114,893 918,647 793,681 1,071,125 431,828	691 24 56 67 36 257 7 10 9 185	13,673 2 32 37 824 7 16,579 859 43 518	19,060 5 50 40 779 88 88 93 211 181	1,824 43 371 461 278 98 68 41 253 181	1,889 38 492 398 293 86 68 15 253 200	360 8 103 29 56 10 24 15 9 106	393 8 38 78 43 9 17 15 32 153	S. A. Del Md D. C. Va. W. Va N. C. S. C. Ga. Fla.
57,665 21,840 13,066 15,710 7,049	2,523,532 235,938 451,758 900,652 935,184	2,658,238 226,040 477,646 944,834 1,009,718	1,403 88 25 69 1,221	1,623 57 56 405 1,105	2,106 22 161 465 1,458	542 62 57 59 364	743 35 70 52 561	9 9 18 25 -----	46 0 11 25 1	E. S. C. Ky Tenn. Ala. Miss.
170,232 10,173 34,910 26,753 98,396	2,063,579 472,220 700,257 149,408 741,694	2,281,951 478,463 776,326 172,198 854,964	695,996 400 4,552 7,354 683,681	60,618 106 1,066 57,337 2,109	95,670 408 1,536 92,725 1,001	1,534 113 387 261 773	1,582 251 422 206 703	578 12 57 67 449	687 5 104 519	W. S. C. Ark. La. Okla. Tex.
287,914 72,961 30,454 19,658 85,406 7,797 15,591 43,772 12,275	30,801 1,658 920 1,375 11,318 5,733 8,005 1,446 346	30,225 1,256 668 1,250 11,828 2,850 10,749 1,108 516	249,314 2,571 1,278 7,174 57,676 59,340 114,173 4,012 3,090	76,899 10,956 3,098 1,343 1,353 19,512 32,989 2,711 4,907	102,083 14,798 3,635 1,845 1,395 28,941 43,726 2,869 4,871	4,339 872 585 252 291 171 1,137 342 689	3,252 486 335 130 233 133 1,110 342 453	10,732 1,074 1,569 1,194 2,464 251 1,110 2,936 754	11,418 753 1,421 1,026 3,213 249 879 3,269 608	Mt Mont Idaho Wyo. Colo. N. Mex. Ariz. Utah. Nev.
1,159,765 244,256 105,475 810,034	47,790 6,883 2,144 38,763	90,122 6,840 2,234 81,048	370,143 562 1,568 368,013	31,011 9,061 4,590 17,360	35,241 11,253 4,776 19,212	34,265 2,363 3,090 28,812	41,631 2,195 2,075 37,361	93,490 17,387 4,151 71,952	120,251 17,337 4,958 97,456	Pac Wash Oreg. Calif.

No. 18.—RACE, NATIVITY, AND PARENTAGE: PERCENTAGES, BY STATES

NOTE.—Percentages for 1930, particularly in some States, are affected by the change in classification of Mexicans. See footnote 2, Table 14.

Division and State	Per cent of total population						Per cent of white population						
	White			Negro			Native, 1930				Foreign born		
	1910	1920	1930	1910	1920	1930	Total	Native parentage	Foreign parentage	Mixed parentage	1910	1920	1930
Continental United States	88.9	89.7	88.7	10.7	9.9	9.7	87.7	64.4	15.6	7.7	16.3	14.5	12.3
New England	88.9	88.9	88.8	1.0	1.1	1.2	77.3	89.3	26.3	11.7	28.0	25.8	22.7
Maine	89.7	89.7	89.7	.2	.2	.1	87.4	84.8	11.0	11.6	14.9	14.0	12.6
New Hampshire	89.8	89.8	89.8	.1	.1	.2	82.2	81.6	18.0	12.6	22.5	20.6	17.8
Vermont	89.5	89.8	89.8	.5	.2	.2	88.0	85.2	11.4	11.4	14.1	12.7	12.0
Massachusetts	98.3	98.7	98.7	1.1	1.2	1.2	74.8	84.1	28.7	12.1	31.6	28.3	25.2
Rhode Island	98.1	98.3	98.5	1.8	1.7	1.4	74.8	81.2	30.6	13.0	33.4	29.2	25.2
Connecticut	98.6	98.4	98.1	1.4	1.5	1.8	75.7	84.1	31.7	9.9	29.9	27.7	24.3
Middle Atlantic	87.7	87.2	85.9	2.3	2.7	4.0	79.1	45.5	24.8	8.7	25.6	22.7	20.9
New York	98.4	97.9	96.5	1.5	1.9	3.3	73.7	36.8	27.6	9.3	30.4	27.4	26.3
New Jersey	96.4	96.2	94.8	3.5	3.7	5.2	77.9	41.0	27.3	9.6	26.9	24.3	22.1
Pennsylvania	97.4	96.7	95.4	2.5	3.3	4.5	86.6	58.8	20.2	7.6	19.3	16.5	13.4
East North Central	88.2	87.5	86.0	1.6	2.4	3.7	86.7	59.7	18.0	9.0	17.1	15.4	13.3
Ohio	97.6	96.7	95.3	2.3	3.2	4.7	89.8	68.3	14.6	6.9	12.8	12.2	10.2
Indiana	97.7	97.2	96.2	2.2	2.8	3.5	95.7	83.6	7.2	4.8	6.0	5.3	4.3
Illinois	98.0	97.1	95.2	1.9	2.8	4.3	79.3	51.9	22.1	9.3	21.8	19.2	16.1
Michigan	99.1	98.2	96.0	.6	1.6	3.5	81.9	50.8	19.7	11.4	21.4	20.2	18.1
Wisconsin	99.4	99.4	99.1	.1	.2	.4	86.7	49.3	24.0	13.5	22.1	17.6	13.3
West North Central	87.5	87.5	86.8	2.1	2.2	2.5	81.8	66.4	15.1	10.3	14.2	11.2	8.2
Minnesota	99.2	99.2	99.0	.3	.4	.4	84.7	43.9	25.8	15.0	26.4	20.5	15.3
Iowa	99.3	99.2	99.1	.7	.8	.7	93.2	69.8	13.6	10.3	12.4	9.5	6.8
Missouri	95.2	94.7	93.6	4.8	5.2	6.2	95.6	81.7	8.0	5.9	7.3	5.8	4.4
North Dakota	98.8	98.9	98.6	.1	.1	.1	84.3	38.2	28.8	17.3	27.4	20.5	15.7
South Dakota	96.6	97.3	96.6	.1	.1	.1	90.2	56.1	19.8	14.3	17.8	13.3	9.8
Nebraska	99.0	98.7	98.2	.6	1.0	1.0	91.5	64.6	16.0	11.0	14.9	11.7	8.5
Kansas	96.7	96.6	95.3	3.2	3.3	3.5	96.1	81.1	18.1	7.0	8.3	6.5	3.9
South Atlantic	66.2	69.0	71.9	33.7	30.9	28.0	87.3	81.7	3.4	2.2	3.6	3.3	2.7
Delaware	84.6	86.4	86.3	15.4	13.6	13.7	91.8	75.4	11.4	5.0	10.2	10.3	8.2
Maryland	82.0	83.1	83.0	17.9	16.9	16.9	91.0	76.8	10.7	5.5	9.8	8.5	7.0
Dist. of Columbia	71.3	74.7	72.7	28.5	25.1	27.1	91.5	74.1	10.4	7.0	10.8	8.7	8.5
Virginia	67.4	70.1	73.1	32.6	29.9	26.8	98.7	95.8	1.6	1.4	1.9	1.9	1.3
West Virginia	94.4	94.1	93.3	5.3	5.9	6.6	96.8	90.6	.4	2.1	4.9	4.5	3.2
North Carolina	68.0	69.7	70.5	31.6	29.8	29.0	90.6	98.8	.4	.4	.4	.4	.4
South Carolina	44.8	48.6	54.3	55.2	51.4	45.6	99.4	98.0	.7	.7	.9	.8	.6
Georgia	54.9	58.3	63.2	45.1	41.7	36.8	99.2	97.6	.8	.8	1.1	1.0	.8
Florida	58.9	65.9	70.5	41.0	34.0	29.4	94.3	84.5	5.3	4.5	7.6	6.7	5.7
East South Central	88.4	71.6	73.1	31.5	28.4	26.9	99.2	96.5	1.4	1.3	1.5	1.1	.8
Kentucky	88.6	90.2	91.3	11.4	9.8	8.6	99.1	95.0	2.3	1.8	2.0	1.4	.9
Tennessee	78.3	80.7	81.7	21.7	19.3	18.3	99.4	97.6	.9	.9	1.1	.8	.6
Alabama	57.5	61.6	64.3	45.2	38.4	35.7	99.1	96.8	1.2	1.1	1.5	1.2	.9
Mississippi	43.7	47.7	49.6	56.5	52.2	50.2	99.3	97.2	1.0	1.1	1.2	.9	.7
West South Central	76.5	79.2	74.7	22.6	20.1	18.7	98.1	91.8	3.3	3.0	5.2	5.7	1.9
Arkansas	71.8	73.0	74.7	28.1	27.0	25.8	99.3	96.7	1.2	1.4	1.5	1.1	.7
Louisiana	56.8	61.0	62.7	43.1	38.9	36.9	97.4	89.0	.7	3.7	5.5	4.1	2.6
Oklahoma	87.2	89.8	88.6	8.3	7.4	7.2	98.7	93.9	2.3	2.5	2.8	2.2	1.3
Texas	82.2	84.0	73.5	17.7	15.9	14.7	97.7	90.0	4.1	3.6	7.5	9.2	2.3
Mountain	95.7	96.3	89.2	.8	.9	.8	81.3	69.6	12.1	9.5	17.3	14.1	8.7
Montana	95.9	97.3	96.2	.5	.3	.2	85.9	54.8	18.3	12.8	25.4	17.5	14.1
Idaho	98.0	98.6	98.3	.2	.2	.2	93.0	73.2	9.8	10.1	12.7	9.2	7.0
Wyoming	96.1	97.8	94.9	1.5	.7	.6	90.8	69.3	12.4	9.2	19.3	13.3	9.2
Colorado	98.0	98.3	92.8	1.4	1.2	1.1	91.1	69.6	13.1	8.4	16.2	12.7	8.9
New Mexico	93.1	92.9	78.4	.5	1.6	.7	97.6	91.3	3.2	3.2	7.4	8.7	2.4
Arizona	83.9	87.2	60.7	1.0	2.4	2.5	94.1	79.5	7.1	7.4	27.3	26.8	5.9
Utah	98.2	98.3	97.7	.3	.3	.2	91.2	64.2	14.0	12.9	17.3	12.8	8.8
Nevada	90.7	91.3	89.4	.6	.4	.6	84.9	58.4	15.2	11.3	24.2	20.9	15.1
Pacific	96.0	96.2	91.5	.7	.9	1.1	84.5	59.1	14.9	10.5	21.4	19.3	15.5
Washington	97.1	97.3	97.3	.5	.5	.4	83.9	57.4	15.1	11.4	21.7	18.9	16.1
Oregon	97.4	98.2	98.2	.2	.3	.2	88.7	67.2	11.6	9.9	15.7	13.3	11.3
California	95.0	95.3	88.8	.9	1.1	1.4	83.9	58.1	15.5	10.3	22.9	20.9	16.1

Source: Bureau of the Census, Department of Commerce.

**No. 19.—URBAN AND RURAL POPULATION: BY RACE, NATIVITY, AND PAR-
ENTAGE, BY SEX AND AGE GROUPS, CONTINENTAL UNITED STATES**

NOTE.—For definition of urban and rural population see Table 7, page 6

Class	Number				Per cent distribution			
	Urban		Rural		Urban		Rural	
	1920	1930	1920	1930	1920	1930	1920	1930
Total.....	54, 304, 608	68, 954, 823	51, 406, 017	53, 920, 223	100 0	100. 0	100 0	100 0
White.....	50, 620, 084	62, 836, 605	44, 200, 831	46, 027, 602	93 2	91 1	86 0	85 5
Negro.....	3, 559, 473	5, 193, 913	6, 903, 658	6, 697, 230	6 6	7 5	13 4	12 4
All other ¹	125, 046	924, 305	301, 528	1, 095, 391	. 2	1. 3	. 6	2 0
Native white								
Native parentage.....	24, 556, 729	33, 497, 232	33, 865, 228	36, 639, 382	45 2	48 6	65. 9	68 1
Foreign or mixed parentage.....	15, 704, 372	18, 612, 514	6, 979, 832	6, 748, 672	28 9	27. 0	13. 6	12 5
Foreign-born white.....	10, 356, 983	10, 726, 859	3, 355, 771	2, 639, 548	19 1	15 6	6 5	4 9

Class	Sex distribution, 1930					
	Urban			Rural		
	Male	Female	Males per 100 females	Male	Female	Males per 100 females ²
Total.....	34, 154, 760	34, 800, 063	98. 1	27, 982, 320	25, 837, 903	108 8
White.....	31, 182, 570	31, 674, 035	98. 4	24, 001, 284	22, 026, 318	109 0
Negro.....	2, 479, 158	2, 714, 755	91. 3	3, 376, 511	3, 320, 719	101 7
All other.....	513, 032	411, 273	124. 7	604, 525	490, 866	123. 2
Native white						
Native parentage.....	16, 515, 816	16, 981, 416	97. 3	18, 944, 185	17, 695, 197	107 1
Foreign or mixed parentage.....	9, 004, 667	9, 607, 847	93 7	3, 545, 477	3, 203, 195	110 7
Foreign-born white.....	5, 642, 087	5, 084, 772	111. 0	1, 511, 622	1, 127, 926	134 0

Class	Age distribution, 1930							
	Under 5 years	5 to 9 years	10 to 14 years	15 to 19 years	20 to 44 years	45 to 64 years	65 years and over	Un- known
URBAN POPULATION								
Total urban.....	5, 628, 360	6, 211, 141	5, 949, 693	6, 015, 411	29, 071, 885	12, 490, 762	3, 523, 535	66, 036
Per cent of total.....	8 2	9 0	8 6	8 7	42 2	18 1	5 1	0 1
Male.....	2, 855, 018	3, 128, 686	2, 970, 019	2, 881, 288	14, 351, 722	6, 304, 095	1, 627, 928	36, 004
Female.....	2, 771, 342	3, 082, 455	2, 979, 674	3, 134, 123	14, 720, 163	6, 186, 667	1, 895, 607	30, 032
White.....	5, 074, 431	5, 621, 105	5, 455, 278	5, 486, 937	26, 166, 057	11, 611, 834	3, 366, 066	54, 897
Negro.....	427, 607	468, 357	407, 867	447, 155	2, 520, 611	773, 870	139, 108	9, 338
All other.....	124, 322	121, 679	86, 548	81, 319	385, 217	105, 058	18, 361	1, 801
Native white								
Native parentage.....	3, 517, 183	3, 597, 690	3, 171, 407	3, 053, 878	13, 545, 214	5, 077, 408	1, 495, 526	38, 926
Foreign or mixed parentage.....	1, 533, 643	1, 920, 459	2, 160, 882	2, 156, 157	7, 315, 446	2, 797, 669	720, 309	7, 949
Foreign-born white.....	23, 605	102, 956	122, 989	276, 902	5, 305, 397	3, 736, 757	1, 150, 231	8, 022
RURAL POPULATION								
Total rural.....	5, 818, 030	6, 396, 468	6, 055, 184	5, 536, 704	17, 951, 362	8, 924, 219	3, 110, 270	27, 986
Per cent of total.....	10. 8	11. 9	11. 3	10 3	33 4	16 6	5 8	0 1
Male.....	2, 951, 156	3, 252, 422	3, 098, 758	2, 876, 537	9, 223, 378	4, 866, 974	1, 697, 283	15, 812
Female.....	2, 866, 874	3, 144, 046	2, 956, 426	2, 660, 167	8, 727, 984	4, 057, 245	1, 412, 987	12, 174
White.....	4, 852, 965	5, 335, 039	5, 091, 004	4, 624, 647	15, 365, 687	7, 890, 311	2, 845, 517	22, 432
Negro.....	802, 599	900, 024	843, 675	893, 373	2, 197, 204	912, 351	233, 611	4, 393
All other.....	162, 466	161, 405	120, 505	108, 684	388, 471	121, 557	31, 142	1, 161
Native white								
Native parentage.....	4, 421, 982	4, 723, 348	4, 356, 945	3, 878, 625	11, 865, 306	5, 440, 380	1, 934, 361	18, 435
Foreign or mixed parentage.....	426, 800	592, 956	709, 312	698, 294	2, 550, 107	1, 364, 914	404, 094	2, 195
Foreign-born white.....	4, 183	18, 735	24, 747	47, 728	950, 274	1, 085, 017	607, 062	1, 802

¹ For 1930 includes Mexicans. See note 2, Table 14.

Source: Bureau of the Census, Department of Commerce.

No. 20.—POPULATION STATISTICS OF CITIES

NOTE.—The 1930 figures for "Other races" include Mexicans who in 1920 were classified for the most population of the city The increase from census to census includes that

City	Total population					Native white, native parentage		
	1890	1900	1910	1920	1930	Number		Per cent, 1930
						1920	1930	
Akron, Ohio.....	27,601	42,728	69,067	208,435	255,040	125,079	162,699	63.8
Albany, N. Y.....	94,923	94,151	100,253	113,344	127,412	56,265	66,566	52.2
Allentown, Pa.....	25,228	35,416	51,913	73,502	92,563	51,937	64,147	69.3
Altoona, Pa.....	30,337	38,973	52,127	60,331	82,054	43,990	61,960	75.5
Asheville, N. C.....	10,235	14,694	18,762	28,504	50,198	19,984	33,585	66.9
Atlanta, Ga.....	65,533	89,872	154,839	200,616	270,366	124,948	166,513	61.6
Atlantic City, N. J.....	13,055	27,838	46,150	50,707	66,198	22,087	24,464	37.0
Augusta, Ga.....	33,300	39,441	41,040	52,548	60,342	26,883	33,310	55.2
Austin, Tex.....	14,575	22,258	29,800	34,876	53,120	20,905	31,666	59.6
Baltimore, Md.....	434,439	508,957	558,485	733,826	804,874	378,380	427,372	53.1
Bayonne, N. J.....	19,033	32,722	55,545	76,754	88,979	14,497	20,085	22.6
Beaumont, Tex.....	3,296	9,427	20,640	40,422	57,732	21,710	32,900	57.0
Berkeley, Calif.....	5,101	13,214	40,434	56,036	82,109	28,669	43,755	53.3
Bethlehem, Pa. ²	9,521	10,758	12,837	50,358	57,892	26,503	29,820	51.5
Binghamton, N. Y.....	35,005	39,647	48,443	66,800	76,662	40,030	46,369	60.5
Birmingham, Ala.....	26,178	38,415	132,685	178,806	259,678	92,211	141,493	54.5
Boston, Mass. ³	448,477	560,892	670,585	748,066	781,188	181,811	200,130	25.6
Bridgeport, Conn.....	48,866	70,996	102,054	143,555	146,716	36,816	37,887	25.6
Brockton, Mass.....	27,294	40,063	56,878	66,254	63,797	24,643	24,909	39.0
Buffalo, N. Y.....	255,664	352,387	423,715	506,775	573,076	165,135	212,586	37.1
Cambridge, Mass.....	70,028	91,886	104,839	109,694	113,643	29,015	31,100	27.4
Camden, N. J.....	58,313	75,935	94,538	116,809	118,700	56,249	52,912	44.6
Canton, Ohio.....	26,139	30,697	50,217	87,091	104,906	53,783	65,090	62.0
Cedar Rapids, Iowa.....	18,020	25,656	32,811	45,566	56,097	26,687	36,025	64.2
Charleston, S. C.....	54,955	55,807	58,833	67,877	82,265	28,262	28,248	45.4
Charleston, W. Va.....	6,742	11,099	22,996	39,608	60,405	31,044	48,167	79.7
Charlotte, N. C.....	11,557	18,091	34,014	46,338	82,675	30,196	54,819	66.3
Chattanooga, Tenn.....	29,100	30,154	44,004	57,895	119,798	34,911	81,212	67.8
Chester, Pa.....	20,226	33,988	38,537	55,030	59,164	25,627	26,856	45.9
Chicago, Ill.....	1,099,850	1,698,575	2,185,253	2,701,705	3,376,438	642,871	943,301	27.4
Cicero, Ill.....	10,204	16,310	14,557	44,995	66,002	6,470	13,564	20.4
Cincinnati, Ohio.....	296,908	325,902	363,591	401,247	451,160	206,605	264,123	58.5
Cleveland, Ohio.....	261,353	381,768	560,663	796,841	900,429	212,247	242,832	27.0
Cleveland Heights, Ohio.....			2,955	15,236	50,945	9,053	26,210	51.4
Columbia, S. C.....	15,353	21,108	26,319	37,524	51,581	21,605	30,417	59.0
Columbus, Ohio.....	88,150	125,500	181,511	237,031	290,564	159,069	201,778	69.4
Covington, Ky.....	37,371	42,938	53,270	57,121	65,252	37,391	49,297	75.5
Dallas, Tex.....	38,067	42,638	92,104	158,976	280,475	112,509	192,580	73.9
Davenport, Iowa.....	26,872	35,254	43,028	56,727	60,751	29,394	36,214	59.6
Dayton, Ohio.....	61,220	85,333	116,577	152,559	200,982	100,966	142,059	70.7
Dearborn, Mich.....		844	911	2,470	50,358	(*)	20,351	40.4
Decatur, Ill.....	16,821	20,754	31,140	43,818	57,510	33,254	45,939	79.9
Denver, Colo.....	106,713	133,859	213,381	256,491	287,861	144,678	169,457	58.9
Des Moines, Iowa.....	50,093	62,139	86,368	126,468	142,559	84,361	100,236	70.3
Detroit, Mich.....	205,876	285,704	465,766	993,678	1,568,662	313,997	537,844	34.3
Duluth, Minn.....	33,115	52,969	78,466	98,917	101,463	23,931	30,675	30.2
Durham, N. C.....	5,485	6,679	18,241	21,719	52,037	13,608	32,382	62.2
East Chicago, Ind.....	1,255	3,411	19,098	35,967	54,784	5,954	11,621	21.0
East Orange, N. J.....		21,506	34,371	50,710	68,020	27,455	33,647	49.5
East St. Louis, Ill.....	15,169	29,655	58,547	66,767	74,347	38,854	45,826	61.6
Elizabeth, N. J.....	37,764	52,130	73,409	95,783	114,589	25,887	33,605	29.3
El Paso, Tex.....	10,338	15,906	39,279	77,560	102,421	27,466	32,810	32.0
Erie, Pa.....	40,634	52,733	66,525	93,372	115,967	41,179	55,286	47.7
Evansville, Ind.....		19,259	24,978	37,234	63,338	16,723	31,987	50.5
Evansville, Ind.....	50,766	59,007	69,647	85,264	102,249	60,270	80,329	78.6
Fall River, Mass.....	74,398	104,833	119,295	120,485	115,274	19,168	24,368	21.1
Flint, Mich.....	9,803	13,103	38,550	91,599	156,492	50,186	91,557	58.5
Fort Wayne, Ind.....	35,393	45,115	63,933	86,549	114,946	57,675	86,196	75.0
Fort Worth, Tex.....	23,076	20,688	73,312	106,482	163,447	75,515	126,116	77.2
Fresno, Calif.....	10,818	12,470	24,892	45,086	52,513	23,793	25,914	49.3
Galveston, Tex.....	29,084	37,789	36,981	44,255	52,938	17,289	22,401	42.3
Gary, Ind.....			16,802	55,378	100,426	16,519	33,635	33.6

¹ Includes Indians, Chinese, Japanese, and other nonwhite. (See headnote.)

² Bethlehem borough includes West Bethlehem prior to 1920 Consolidated with South Bethlehem borough as Bethlehem city between 1910 and 1920 Combined population 1890, 19,823; 1900, 23,999; 1910, 32,810,

HAVING IN 1930 OVER 50,000 INHABITANTS

part as white See footnote 2, Table 14. Per cents show proportion which specified class forms of total due to annexation of territory as well as to direct growth

Native white, foreign or mixed parentage			Foreign-born white			Negro and other races ¹			Sex, 1930		City
Number		Per cent, 1930	Number		Per cent, 1930	Number		Per cent, 1930	Male	Female	
1920	1930		1920	1930		1920	1930				
39,750	49,477	19 4	37,889	31,568	12 4	5,717	11,296	4 4	130,029	125,011	Akron.
38,135	40,476	31 8	17,636	17,918	14 1	1,308	2,452	1 9	61,947	65,465	Albany
12,767	18,439	19 9	8,612	9,607	10 4	1,186	370	4	45,437	47,126	Allentown.
10,729	13,425	16 4	5,312	5,951	7 3	900	718	2 9	40,351	41,703	Altoona.
808	1,506	3 0	555	842	1 7	7,157	14,260	28 4	23,124	27,069	Asheville
8,099	9,007	3 3	4,738	4,727	1 7	62,831	90,119	33 3	126,493	144,873	Atlanta.
10,590	16,147	24 4	7,009	9,903	15 0	11,021	15,684	23 7	31,449	34,749	Atlantic City.
2,078	1,953	3 2	927	734	1 2	22,660	24,345	40 3	28,329	32,013	Augusta
4,476	4,926	9 3	2,547	1,617	3 0	6,948	14,911	28 1	25,264	27,856	Austin.
162,839	160,342	19 9	83,911	74,410	9 2	108,966	142,750	17 7	395,888	408,986	Baltimore.
36,103	41,681	46 8	25,472	24,899	28 0	682	2,314	2 6	47,119	51,860	Bayonne.
3,558	4,084	7 1	1,918	1,523	2 6	13,236	19,225	33 3	28,844	28,888	Beaumont.
15,954	21,590	26 3	9,573	12,163	14 8	1,840	4,601	5 6	38,623	43,486	Berkeley
12,546	16,837	29 1	10,943	10,993	17 4	366	1,142	2 0	29,088	28,804	Bethlehem ²
15,742	18,967	24 7	10,368	10,566	13 8	660	760	1 0	37,206	39,456	Binghamton.
10,255	13,191	5 1	6,084	5,867	2 3	70,256	99,137	38 2	125,855	133,823	Birmingham.
309,755	329,270	42 1	238,919	229,356	29 4	17,575	22,432	2 9	383,454	397,734	Boston ³
57,990	64,979	44 3	46,414	40,759	27 8	2,335	3,391	2 3	73,061	73,655	Bridgeport.
23,868	24,079	37 7	17,124	14,275	22 4	619	534	8	30,941	32,856	Brockton.
215,377	227,967	39 8	121,530	118,316	20 6	4,733	14,207	2 5	284,460	288,616	Buffalo.
43,101	44,616	39 3	32,104	32,380	28 4	5,444	5,597	4 9	54,013	59,630	Cambridge
31,242	35,756	30 1	20,262	18,615	15 7	8,556	11,417	9 6	59,442	59,258	Camden
17,804	23,534	22 4	14,680	13,213	12 6	1,324	3,069	2 9	53,301	51,605	Canton
12,348	14,225	25 4	5,863	4,974	8 9	688	873	1 6	27,139	28,958	Cedar Rapids
5,180	4,318	6 9	2,143	1,611	2 6	32,372	28,088	45 1	28,382	33,883	Charleston, S. C.
2,684	3,736	6 2	1,354	1,741	2 9	4,526	6,764	11 2	29,681	30,727	Charleston, W. Va.
983	1,778	2 2	514	893	1 1	14,645	25,185	30 5	39,583	43,092	Charlotte.
2,850	3,819	3 2	1,240	1,464	1 2	18,894	33,303	27 8	57,932	61,866	Chattanooga.
13,908	14,966	25 3	11,292	8,048	13 6	7,203	9,294	15 7	30,424	28,740	Chester.
1,140,816	1,332,373	39 5	805,482	842,057	24 9	112,536	258,707	7 7	1,710,663	1,665,775	Chicago.
23,050	33,382	50 1	15,466	19,490	29 3	9	166	2	34,284	32,318	Cincinnati.
121,665	104,154	23 1	42,827	34,835	7 7	30,150	48,048	10 6	218,995	232,165	Cleveland.
310,241	354,771	39 4	239,538	229,487	25 5	34,815	73,339	8 1	456,856	443,573	Cleveland Heights.
4,101	16,529	32 4	1,896	7,616	14 9	186	590	1 2	23,199	27,746	Columbus.
918	1,101	2 1	544	524	1 0	14,457	19,539	37 9	24,005	27,576	Dallas.
39,597	40,538	14 0	16,055	15,279	5 3	22,310	32,969	11 3	143,539	147,205	Davenport.
13,801	10,573	16 2	2,883	1,900	2 9	3,046	3,482	5 6	31,690	33,562	Dayton.
13,640	16,667	6 4	8,730	6,473	2 5	24,088	44,755	17 2	126,071	134,404	Dayton.
18,991	17,860	29 4	7,644	5,621	9 3	698	1,056	1 7	30,192	30,559	Dayton.
29,888	29,758	14 8	13,111	12,014	6 0	9,064	17,151	8 5	99,822	101,160	Dayton.
(4)	16,222	32 2	(4)	13,395	26 6	(4)	390	8	27,279	23,079	Dayton.
6,787	7,251	12 6	2,590	2,355	4 1	1,187	1,965	3 4	28,004	29,506	Dayton.
67,346	72,285	25 1	37,620	31,235	10 9	6,847	14,884	5 2	139,872	147,989	Denver
25,302	27,178	19 1	11,224	9,310	6 5	5,581	5,835	4 1	68,481	74,078	Des Moines.
348,771	503,016	32 1	289,297	399,281	25 5	41,613	128,521	8 2	821,920	746,742	Detroit.
44,265	45,305	44 7	30,118	24,929	24 6	603	554	5	51,285	50,178	Duluth
272	570	1 1	181	361	7	7,658	18,724	36 0	24,629	27,408	Durham
13,893	18,994	34 7	14,663	13,793	25 2	1,457	10,476	19 1	30,613	24,166	East Chicago
14,075	19,404	28 5	6,780	10,036	14 8	2,400	4,933	7 3	31,637	36,383	East Orange
13,668	12,286	16 5	6,782	4,657	6 3	7,463	11,578	15 6	37,461	36,886	East St. Louis.
39,668	46,971	41 0	28,215	29,156	26 4	2,013	4,857	4 2	58,348	56,241	Elizabeth.
14,995	6,311	6 2	33,353	2,844	2 8	1,756	60,456	59 0	49,551	52,870	El Paso.
34,047	42,159	36 4	17,370	17,241	14 9	776	1,281	1 1	57,512	58,455	Erie
11,182	16,728	26 4	6,771	9,623	15 2	2,558	5,000	7 9	29,580	33,752	Evansville.
15,437	13,303	13 0	3,145	2,082	2 0	6,412	6,535	6 4	49,480	52,769	Evansville.
58,615	58,321	50 6	42,331	32,078	27 8	371	507	4	55,132	60,142	Fall River
24,521	37,532	24 0	15,127	20,934	13 4	1,765	6,469	4 1	81,897	74,695	Flint
20,764	20,580	17 9	6,634	5,729	5 0	1,478	2,441	2 1	56,270	58,676	Fort Wayne
7,592	8,163	5 0	7,359	2,918	1 8	16,016	26,250	16 1	80,015	83,432	Fort Worth.
10,475	12,974	24 7	8,552	7,956	15 2	2,266	5,669	10 8	26,882	26,131	Fresno
10,137	9,954	18 8	6,892	4,705	8 9	9,937	15,878	30 0	27,495	25,443	Galveston.
17,065	26,012	25 9	16,460	19,345	19 3	5,334	21,434	21 3	45,593	45,833	Gary.

³ Hyde Park town annexed to Boston City between 1910 and 1920. Combined population, 1890, 458,670; 1900, 574,136; 1910, 686,092

⁴ Not distributed by nativity or race.

No. 20.—POPULATION STATISTICS OF CITIES HAVING

City	Total population					Native white, native parentage		
	1890	1900	1910	1920	1930	Number		Per cent, 1930
						1920	1930	
Glendale, Calif.			2,740	13,536	62,736	9,032	43,217	68.9
Grand Rapids, Mich.	60,278	87,505	112,571	137,634	168,592	56,079	79,450	47.1
Greensboro, N. C.	3,517	10,035	15,895	19,861	53,569	13,564	38,086	71.1
Hamilton, Ohio	17,565	23,914	35,279	39,675	52,176	27,201	40,112	76.9
Hammond, Ind.	5,428	12,376	20,925	36,615	64,530	14,953	34,606	53.6
Hamtramck, Mich.			3,559	28,615	56,280	2,073	4,185	7.4
Harrisburg, Pa.	39,885	50,167	64,186	75,917	80,339	59,268	62,204	77.4
Hartford, Conn.	53,230	79,850	98,915	138,036	164,072	40,327	45,582	27.8
Highland Park, Mich.		427	4,120	46,499	52,959	19,605	23,079	43.6
Hoboken, N. J.	43,648	59,364	70,324	68,166	59,261	14,473	13,372	22.6
Holyoke, Mass.	35,637	45,712	57,730	60,203	56,537	10,994	13,221	23.4
Houston, Tex.	27,557	44,633	78,800	138,276	292,352	72,433	173,692	59.4
Huntington, W. Va.	10,108	11,923	31,161	50,177	75,572	44,720	66,854	88.5
Indianapolis, Ind.	105,436	169,164	233,650	314,194	364,161	219,297	265,349	72.9
Irvington, N. J.		5,255	11,877	25,480	56,733	9,806	21,101	37.2
Jackson, Mich.	20,798	25,180	31,433	45,374	55,187	30,658	36,202	65.6
Jacksonville, Fla.	17,201	28,429	57,699	91,558	129,549	39,960	68,915	53.2
Jersey City, N. J.	163,003	206,433	267,779	298,103	316,715	87,083	100,101	31.6
Johnstown, Pa.	21,805	35,936	55,482	67,327	66,993	34,207	34,687	51.8
Kalamazoo, Mich.	17,853	24,404	39,457	45,487	54,786	27,873	34,009	62.1
Kansas City, Kans.	38,316	51,418	82,331	101,177	121,857	56,575	72,256	59.3
Kansas City, Mo.	132,716	163,752	248,381	324,410	399,746	209,134	270,885	67.8
Kenosha, Wis.	6,532	11,606	21,371	40,472	50,262	11,409	17,232	34.3
Knoxville, Tenn.	22,535	32,637	36,346	77,818	105,802	63,558	85,432	80.7
Lakewood, Ohio		3,355	15,181	41,732	70,509	20,557	38,279	54.3
Lancaster, Pa.	32,011	41,459	47,227	53,150	59,949	42,126	48,468	80.8
Lansing, Mich.	13,102	16,485	31,229	57,827	78,397	38,373	54,461	69.5
Lawrence, Mass.	44,654	62,559	85,892	94,270	85,068	12,325	14,039	16.5
Lincoln, Nebr.	55,154	40,169	43,973	54,948	75,933	33,381	50,501	66.5
Little Rock, Ark.	25,874	38,307	45,941	65,142	81,679	40,851	55,838	68.4
Long Beach, Calif.	50,564	2,252	17,809	55,693	142,032	37,888	99,992	70.4
Los Angeles, Calif.	50,395	102,479	234,198	576,673	1,238,048	294,458	618,028	49.9
Louisville, Ky.	161,129	204,731	323,323	324,891	307,745	139,403	212,121	63.9
Lowell, Mass.	77,696	94,969	106,294	112,759	100,234	24,676	26,929	26.9
Lynn, Mass.	55,727	68,513	89,336	99,148	102,320	33,988	34,370	33.6
Macon, Ga.	22,746	23,272	40,665	52,995	53,829	27,923	29,199	54.2
Madison, Wis.	13,426	19,164	25,531	38,378	57,899	19,145	35,085	60.6
Malden, Mass.	23,031	33,664	44,404	49,103	58,036	15,087	17,823	30.7
Manchester, N. H.	44,126	56,987	70,063	78,384	76,834	18,851	21,377	27.8
McKeesport, Pa.	20,741	34,227	42,694	46,781	54,632	16,284	20,368	37.3
Medford, Mass.	11,079	18,244	23,150	39,038	59,714	15,463	21,319	35.7
Memphis, Tenn.	64,495	102,320	131,105	162,351	253,143	82,795	137,074	54.1
Miami, Fla.		1,681	5,471	29,571	110,637	14,348	64,072	57.9
Milwaukee, Wis.	204,498	285,515	373,857	457,147	578,249	130,845	217,729	37.7
Minneapolis, Minn.	164,738	202,718	301,408	380,582	464,356	133,178	194,704	41.9
Mobile, Ala.	31,076	38,469	51,521	60,777	68,202	29,060	36,326	53.3
Montgomery, Ala.	21,833	30,346	38,136	43,444	60,079	21,145	33,734	51.1
Mount Vernon, N. Y.	10,830	21,228	30,919	42,728	61,469	15,010	20,386	33.1
Nashville, Tenn.	76,168	80,865	110,364	118,342	153,856	74,022	103,757	67.4
Newark, N. J.	181,880	246,070	347,489	414,524	442,337	113,413	180,574	24.5
New Bedford, Mass.	40,733	62,442	96,652	121,217	112,597	20,098	22,164	19.7
New Britain, Conn.	16,519	25,998	43,916	59,316	68,128	11,161	13,600	20.0
New Haven, Conn.	81,298	108,027	133,605	162,537	162,655	44,401	44,770	27.6
New Orleans, La.	242,039	287,104	339,075	387,219	458,762	190,641	242,282	59.8
New Rochelle, N. Y.	9,057	14,720	28,867	36,213	54,000	11,730	18,292	33.9
Newton, Mass.	24,379	33,587	39,806	46,054	65,276	20,148	29,631	45.4
New York, N. Y. ¹	2,507,414	3,437,202	4,766,883	5,620,048	6,930,446	1,164,834	1,505,200	21.7
Niagara Falls, N. Y.		19,457	30,445	50,760	75,460	13,477	20,596	27.3
Norfolk, Va.	34,871	46,624	67,452	115,777	129,710	57,759	72,687	56.0
Oakland, Calif.	48,682	66,960	150,174	218,261	284,063	90,279	131,755	46.4
Oak Park, Ill.		10,037	64,444	39,858	63,982	20,206	34,034	53.2
Oklahoma City, Okla.	4,151	10,037	64,444	91,285	185,389	71,448	154,179	83.2
Omaha, Nebr. ²	140,452	102,555	124,096	191,601	214,006	86,525	108,433	50.7
Pasadena, Calif.	4,882	9,117	30,291	45,354	76,086	27,960	44,797	58.9
Passaic, N. J.	13,028	27,777	54,773	63,841	62,959	8,816	9,888	15.7

¹ Includes Indians, Chinese, Japanese, and other nonwhites² Population shown is for New York City as now constituted

POPULATION—PRINCIPAL CITIES

23

IN 1930 OVER 50,000 INHABITANTS—Continued

Native white, foreign or mixed parentage			Foreign-born white			Negro and other races ¹			Sex, 1930		City
Number		Per cent, 1930	Number		Per cent, 1930	Number		Per cent, 1930	Male	Female	
1920	1930		1920	1930		1920	1930				
2,738	12,660	20.2	1,561	5,762	9.2	205	1,097	1.7	29,785	32,951	Glendale
52,038	58,865	34.0	28,355	27,240	16.2	1,162	3,037	1.8	82,340	85,252	Grand Rapids.
354	957	1.8	168	472	.9	5,975	14,064	26.2	25,566	28,003	Greensboro.
8,473	7,909	15.2	2,663	2,183	4.2	1,338	1,972	3.8	26,110	26,066	Hamilton.
12,765	19,552	30.3	8,118	9,687	15.0	168	715	1.1	33,639	30,921	Hammond.
21,458	27,901	49.6	23,062	20,025	35.6	2,022	4,157	7.4	30,096	26,172	Hamtramck.
7,242	8,014	10.0	4,144	3,704	4.6	5,263	6,417	8.0	38,833	41,506	Harrisburg.
52,687	67,357	41.1	40,667	44,528	27.1	4,355	6,605	4.0	80,015	84,057	Hartford.
13,789	14,239	26.9	12,661	14,362	27.1	444	1,279	2.4	27,367	25,592	Highland Park.
29,945	24,221	40.9	23,496	21,160	35.7	252	508	.9	32,634	26,627	Hoboken.
28,782	26,939	47.6	20,255	16,232	28.7	172	145	.3	26,918	29,619	Holyoke.
19,823	29,702	10.2	12,012	11,293	3.9	34,008	77,665	26.6	145,962	146,390	Houston
1,834	2,974	3.9	732	1,097	1.5	2,891	4,647	6.1	37,081	38,491	Huntington.
43,156	40,975	11.3	16,958	13,740	3.8	34,783	44,097	12.1	176,647	187,514	Indianapolis.
10,058	22,258	39.2	5,508	13,239	23.3	108	135	.2	28,174	28,559	Irrington.
11,556	12,070	21.9	5,316	5,071	9.2	844	1,844	3.3	28,072	27,115	Jackson
6,118	8,052	6.2	3,894	4,353	3.4	41,586	48,229	37.2	62,018	67,531	Jacksonville.
126,945	133,473	42.1	75,981	70,313	22.2	8,094	12,828	4.1	159,315	157,400	Jersey City
19,307	21,060	31.4	12,142	9,478	14.1	1,671	1,768	2.6	33,570	33,414	Johnstown
12,627	13,300	24.3	7,207	6,440	11.8	780	1,037	1.9	26,931	27,855	Kalamazoo.
18,472	19,312	15.8	11,656	7,593	6.2	14,474	22,696	18.6	60,867	60,990	Kansas City,
57,063	62,578	15.7	27,320	24,278	6.1	30,893	42,005	10.5	194,242	205,204	Kans City,
16,235	20,520	40.8	12,714	12,267	24.4	114	253	.5	25,743	24,519	Kenosha
2,141	2,449	2.3	812	824	.8	11,307	17,097	16.2	50,973	54,829	Knovvood.
13,809	22,424	31.8	7,255	9,647	13.7	111	159	.2	33,475	37,034	Lakewood.
7,387	7,405	12.4	2,714	2,778	4.6	923	1,298	2.2	28,618	31,331	Lancaster.
12,244	15,848	20.2	5,985	6,630	8.5	725	1,458	1.9	39,785	38,612	Lansing.
42,604	42,172	49.6	39,063	28,633	33.7	278	224	.3	41,502	43,566	Lawrence.
13,437	17,608	23.2	7,198	6,525	8.6	932	1,299	1.7	36,048	39,886	Lincoln.
5,008	4,743	5.8	1,788	1,373	1.7	17,455	19,725	24.1	38,609	43,070	Little Rock.
10,353	25,929	18.3	6,799	13,255	9.3	553	2,856	2.0	68,256	73,776	Long Beach.
140,949	273,708	22.1	112,057	181,848	14.7	29,809	164,644	13.3	610,678	627,370	Los Angeles.
43,745	39,243	12.8	11,621	8,983	2.9	40,122	47,398	15.4	148,084	159,661	Louisville.
49,703	46,094	46.0	38,040	26,129	26.1	250	182	.2	47,896	52,848	Lowell.
36,361	39,954	39.0	27,858	27,091	26.5	941	905	.9	49,891	52,429	Lynn.
1,277	1,010	1.9	698	455	.8	23,097	23,165	43.0	24,767	29,062	Macon.
14,068	17,127	29.6	4,852	5,274	9.1	313	413	.7	27,536	30,363	Madison.
19,365	23,595	40.7	14,105	15,964	27.5	546	654	1.1	27,728	30,308	Malden.
31,939	33,462	43.6	27,516	21,944	28.6	78	51	.1	36,818	40,018	Manchester.
17,678	21,032	38.5	11,870	11,122	20.4	949	2,110	3.9	27,994	26,638	McKeesport.
14,470	24,109	40.4	8,554	13,672	22.9	551	614	1.0	28,872	30,842	Medford.
12,543	14,192	5.6	5,775	5,262	2.1	61,238	96,615	38.2	120,581	132,562	Memphis
3,358	13,171	11.9	2,563	8,218	7.4	9,302	25,176	22.8	54,629	55,008	Miami
213,911	241,695	41.8	110,068	109,383	18.9	2,323	9,442	1.6	290,648	287,601	Milwaukee.
155,155	183,941	39.6	88,032	80,834	17.4	4,217	4,877	1.1	225,547	238,809	Minneapolis.
5,788	5,288	7.8	2,006	1,992	2.9	23,923	24,596	36.1	32,666	35,536	Mobile.
1,725	1,740	2.6	761	631	1.0	19,833	29,974	45.4	30,635	35,444	Montgomery.
16,258	23,163	37.7	10,090	14,729	23.2	1,368	3,671	6.0	29,634	31,865	Mount Vernon.
6,294	5,480	3.6	2,387	1,788	1.2	35,639	42,841	27.8	71,945	81,921	Nashville.
166,807	178,818	40.4	117,003	115,204	26.0	17,301	39,741	9.0	223,763	218,574	Newark.
47,355	49,371	43.8	48,689	37,333	33.2	5,075	3,729	3.3	54,137	58,460	New Bedford.
26,602	33,418	49.1	21,230	20,746	30.5	3,323	3,654	.5	34,294	33,834	New Britain.
67,729	72,393	44.5	45,686	40,091	24.6	4,721	5,401	3.3	79,549	83,106	New Haven.
60,283	65,766	14.3	25,992	19,681	4.3	101,303	131,033	28.6	219,250	239,512	New Orleans.
13,349	18,416	34.1	8,457	12,556	23.3	2,677	4,736	8.8	26,762	27,238	New Rochelle.
15,148	21,418	32.8	10,179	13,557	20.8	579	670	1.0	29,372	35,904	Newton.
2,303,082	2,788,625	40.2	1,991,547	2,293,400	33.1	160,585	343,221	5.0	3,472,956	3,457,490	New York. ⁵
18,874	29,385	38.9	17,886	24,467	32.4	523	1,012	1.3	38,778	36,682	Niagara Falls.
7,880	8,488	6.5	6,587	4,339	3.3	43,551	44,196	34.1	65,049	64,661	Norfolk.
68,563	86,230	30.4	45,162	49,488	17.4	12,257	16,590	5.8	142,434	141,629	Oakland.
13,829	21,353	33.4	5,634	8,411	13.1	189	184	.3	30,053	33,924	Oak Park.
7,948	11,711	6.3	3,477	3,143	1.7	8,424	16,356	8.8	93,751	91,638	Oklahoma City.
59,140	64,436	30.1	35,381	28,788	13.5	10,555	12,349	5.8	105,986	108,110	Omaha. ⁶
9,011	14,472	19.0	6,785	9,874	13.0	1,592	6,943	9.1	33,740	42,346	Pasadena
28,042	29,856	47.4	26,365	21,338	33.9	618	1,877	3.0	31,324	31,635	Passaic.

⁶ Omaha and South Omaha cities consolidated between 1910 and 1920 Combined population, 1890, 148,514, 1900, 128,556; 1910, 150,355.

POPULATION—PRINCIPAL CITIES

No. 20.—POPULATION STATISTICS OF CITIES HAVING

City	Total population					Native white, native parentage		
	1890	1900	1910	1920	1930	Number		Per cent, 1930
						1920	1930	
Paterson, N. J.	78,347	105,171	125,600	135,875	138,513	31,824	33,838	24.4
Pawtucket, R. I.	27,633	39,231	51,622	64,248	77,149	14,789	20,394	26.4
Peoria, Ill.	41,024	56,100	60,950	70,121	104,969	46,213	73,753	70.3
Philadelphia, Pa.	1,046,964	1,293,697	1,549,003	1,823,779	1,950,961	698,732	740,598	38.0
Pittsburgh, Pa.	1,343,904	1,451,512	1,533,905	1,838,243	1,950,961	698,732	740,598	38.0
Pontiac, Mich.	6,200	9,769	14,532	34,273	64,928	216,530	272,182	40.6
Port Arthur, Tex.	—	900	7,663	22,251	50,902	14,762	34,121	67.0
Portland, Me.	36,425	50,145	58,571	69,272	70,810	35,969	38,318	54.1
Portland, Oreg.	46,355	90,426	207,214	258,238	301,815	136,216	166,874	55.3
Providence, R. I.	132,146	175,597	224,326	237,595	252,981	63,728	70,772	28.0
Pueblo, Colo.	24,558	28,157	41,747	43,050	50,096	23,596	30,031	59.9
Quincy, Mass.	16,723	23,899	32,642	47,876	71,983	14,845	25,889	36.0
Racine, Wis.	21,014	29,102	38,002	58,593	67,542	17,211	25,049	37.1
Reading, Pa.	58,661	78,961	96,071	107,684	111,171	81,000	79,807	71.8
Richmond, Va.	81,388	85,050	127,628	171,767	182,929	102,956	115,536	63.2
Roanoke, Va.	16,159	21,495	34,874	50,842	69,206	39,000	54,153	78.2
Rochester, N. Y.	133,896	162,608	218,149	295,750	328,132	111,976	127,435	38.8
Rockford, Ill.	23,584	31,051	45,401	65,651	85,864	24,141	36,558	42.6
Sacramento, Calif.	26,386	29,222	44,696	65,908	93,750	32,696	47,436	50.6
Saginaw, Mich.	46,322	42,345	50,510	61,903	80,715	25,805	36,841	45.6
St. Joseph, Mo.	52,324	102,979	77,403	77,939	80,935	58,531	60,694	75.0
St. Louis, Mo.	451,770	575,238	687,020	772,897	821,968	359,482	458,322	53.4
St. Paul, Minn.	133,156	163,065	214,744	234,698	271,606	77,373	111,617	41.1
Salt Lake City, Utah.	44,843	53,531	92,777	118,110	140,267	56,234	78,951	56.3
San Antonio, Tex.	37,673	53,321	96,614	161,379	231,542	76,999	69,602	43.0
San Diego, Calif.	16,159	17,700	39,578	74,361	147,995	41,333	56,933	58.8
San Francisco, Calif.	298,997	342,782	416,912	506,676	634,394	167,179	235,298	37.1
San Jose, Calif.	18,060	21,500	28,946	39,642	57,651	18,011	27,497	47.7
Savannah, Ga.	43,189	54,244	65,064	83,252	85,024	34,420	37,846	44.5
Schenectady, N. Y.	19,902	31,682	72,826	88,723	95,692	35,897	40,845	42.7
Scranton, Pa.	75,215	102,026	129,867	137,783	143,433	48,715	55,352	38.6
Seattle, Wash.	42,837	80,671	237,194	315,312	365,583	139,701	174,322	47.7
Shreveport, La.	11,979	16,013	28,015	43,874	70,655	22,747	43,901	57.3
Sioux City, Iowa	37,806	33,111	47,828	71,227	79,133	38,751	47,745	60.3
Somerville, Mass.	40,152	61,643	77,236	93,091	103,098	32,289	31,351	30.2
South Bend, Ind.	21,819	35,999	53,684	70,983	104,193	33,915	57,618	55.3
Spokane, Wash.	19,922	36,848	104,402	104,437	115,514	57,324	67,434	58.4
Springfield, Ill.	24,963	34,159	51,678	50,133	71,864	35,255	46,204	64.4
Springfield, Mass.	44,179	62,059	88,926	129,614	149,900	48,945	58,056	33.7
Springfield, Mo.	21,850	23,267	35,201	39,631	57,527	39,852	51,522	59.6
Springfield, Ohio	31,895	38,253	46,921	60,840	68,743	43,037	50,973	74.2
Syracuse, N. Y.	88,143	108,374	137,249	171,717	209,326	80,072	101,920	48.7
Tacoma, Wash.	36,006	37,714	83,743	96,965	106,817	44,657	52,217	48.9
Tampa, Fla.	5,532	15,839	37,782	51,608	101,161	17,542	43,096	42.6
Terre Haute, Ind.	30,217	36,673	58,157	66,083	62,810	48,976	48,337	77.0
Toledo, Ohio	81,434	131,822	168,497	243,164	290,718	124,055	165,182	56.8
Topeka, Kans.	31,007	33,608	43,684	50,022	64,120	33,594	45,759	71.4
Trenton, N. J.	57,458	73,307	96,815	119,239	123,856	44,195	42,397	34.4
Troy, N. Y.	60,956	60,651	76,813	71,996	72,763	33,080	37,428	51.4
Tulsa, Okla.	—	1,390	18,182	72,075	141,258	55,660	111,931	79.2
Union City, N. J.	10,643	15,187	21,023	20,651	58,659	5,807	15,098	25.7
Utica, N. Y.	44,007	56,383	74,419	94,156	101,740	33,751	38,203	37.6
Waco, Tex.	14,445	20,686	26,425	38,500	52,848	25,897	37,409	70.8
Washington, D. C.	230,392	278,718	331,069	437,671	486,869	239,488	262,427	53.9
Waterbury, Conn.	28,646	45,859	73,141	91,715	99,902	22,122	26,066	26.1
Wheeling, W. Va.	34,522	38,878	41,641	56,208	61,659	34,059	38,938	63.2
Wichita, Kans.	23,853	24,671	52,450	72,217	111,110	58,052	91,599	82.4
Wilkes-Barre, Pa.	37,718	51,721	67,105	73,833	86,626	28,709	34,588	39.9
Wilmington, Del.	61,431	76,508	87,411	110,168	106,597	56,865	56,838	53.3
Winston-Salem, N. C.	10,729	13,650	22,700	48,395	75,274	26,911	41,499	55.1
Worcester, Mass.	84,655	118,421	145,986	179,754	195,311	50,716	58,699	30.1
Yonkers, N. Y.	32,033	47,931	79,803	100,176	134,646	30,059	41,788	31.0
York, Pa.	20,763	33,708	44,750	47,512	55,254	41,552	48,263	87.3
Youngstown, Ohio	33,220	44,885	79,066	132,358	170,002	46,459	62,605	36.8

¹ Includes Indians, Chinese, Japanese, and other nonwhite

² Includes population of Allegheny, 1890, 105,287, 1900, 129,896.

Source Bureau of the Census, Department of Commerce.

POPULATION—PRINCIPAL CITIES

25

IN 1930 OVER 50,000 INHABITANTS—Continued

Native white, foreign or mixed parentage			Foreign-born white			Negro and other races ¹			Sex, 1930		City
Number		Per cent, 1930	Number		Per cent, 1930	Number		Per cent, 1930	Male	Female	
1920	1930		1920	1930		1920	1930				
57,285	58,977	42.6	45,145	42,609	30.8	1,621	3,089	2.2	69,178	69,335	Paterson
28,084	34,226	44.4	21,024	22,218	28.8	360	311	.4	37,314	39,835	Pawtucket.
19,964	21,241	20.2	7,790	6,736	6.4	2,154	3,234	3.1	52,612	52,457	Peoria
591,471	619,235	31.7	397,927	368,624	18.9	135,399	222,504	11.4	968,281	982,680	Philadelphia.
213,465	233,063	34.8	120,266	109,072	16.3	38,082	55,500	8.3	332,576	337,241	Pittsburgh
8,429	14,189	21.9	5,185	9,162	14.1	628	3,390	5.2	34,987	29,941	Pontiac
2,153	3,284	6.5	1,413	1,570	3.1	3,923	11,927	23.4	26,766	24,136	Port Arthur.
19,692	20,502	29.0	13,229	11,671	16.5	382	319	.5	33,831	36,979	Portland, Me.
69,631	80,967	26.8	47,114	48,336	16.0	5,327	5,638	1.9	150,494	151,321	Portland, Oreg.
99,077	111,894	44.2	68,951	64,605	25.5	5,839	5,710	2.3	121,227	131,754	Providence.
10,546	10,378	20.7	7,393	4,722	9.4	1,515	4,965	9.9	25,304	24,792	Pueblo
19,214	28,371	39.4	13,749	17,652	24.5	68	71	.1	35,439	36,544	Quincy.
24,858	27,602	40.9	16,199	14,288	21.2	325	603	.9	34,444	33,068	Racine.
16,298	19,813	17.8	9,553	9,563	8.6	933	1,988	1.8	54,555	56,616	Reading.
9,981	10,289	5.6	4,637	4,046	2.2	54,093	53,058	20.0	85,715	97,214	Richmond.
1,630	1,850	2.7	869	831	1.2	9,343	12,372	17.9	33,271	35,935	Riohoke
110,792	123,163	37.5	71,321	74,696	22.8	1,661	2,838	.9	160,261	167,871	Rochester.
23,641	29,862	34.8	17,343	18,164	21.2	526	1,280	1.5	43,429	42,435	Rockford.
18,638	24,214	25.8	10,873	12,612	13.5	3,701	9,488	10.1	49,790	43,960	Sacramento.
24,119	27,803	34.4	11,005	11,099	13.8	374	4,972	6.2	40,894	39,821	Saginaw
13,758	11,850	14.6	6,423	3,880	4.8	4,227	4,511	5.6	39,681	41,254	St. Joseph.
239,894	207,001	25.3	103,239	80,386	9.8	70,282	95,081	11.6	401,706	420,254	St. Louis
102,198	110,885	40.8	51,595	44,143	16.3	3,527	4,961	1.8	131,570	140,036	St. Paul
41,113	41,824	29.9	19,434	17,235	12.3	1,329	2,197	1.6	69,033	71,234	Salt Lake City.
33,854	23,096	10.0	36,646	8,039	3.5	14,580	100,805	43.5	117,678	117,866	San Antonio
17,660	30,725	20.8	13,241	16,366	11.1	2,127	13,971	9.4	74,290	73,705	San Diego.
182,643	206,285	32.5	140,200	153,386	24.2	16,654	39,425	6.2	338,933	296,361	San Francisco
12,952	18,637	32.3	7,820	9,631	16.7	859	1,886	3.3	28,277	29,374	San Jose
6,863	5,772	6.8	3,247	2,451	2.9	39,222	38,955	45.8	39,540	45,484	Savannah
31,858	33,980	35.5	20,490	20,161	21.1	478	706	.7	48,869	46,823	Schenectady.
59,931	61,888	43.1	28,568	25,430	17.7	569	763	.5	70,061	73,372	Scranton.
89,004	103,251	28.2	73,875	72,975	20.0	12,732	15,035	4.1	186,083	179,500	Seattle.
2,325	3,851	5.0	1,296	1,541	2.0	17,506	27,362	35.7	36,483	40,172	Shreveport.
20,206	21,488	27.1	11,216	8,501	10.7	1,234	1,449	1.8	39,295	39,888	Sioux City
36,254	42,689	41.1	24,182	29,545	28.4	366	323	.3	50,065	53,843	Somerville.
22,390	29,051	27.9	13,391	14,020	13.5	1,287	3,804	3.4	52,555	51,638	South Bend.
29,230	30,703	26.6	16,826	16,190	14.0	1,057	1,187	1.0	57,816	57,698	Spokane
14,893	15,978	22.2	6,255	6,245	8.7	2,780	3,347	4.7	34,544	37,320	Springfield.
46,004	55,967	37.3	31,260	32,642	21.8	2,815	3,235	2.2	72,688	77,212	Springfield.
3,137	3,380	5.9	973	838	1.5	1,669	1,787	3.1	27,502	30,025	Springfield.
8,005	7,353	10.7	2,757	2,135	3.1	7,041	8,282	12.0	33,887	34,856	Springfield.
57,979	70,244	33.6	32,321	35,010	16.7	1,345	2,152	1.0	103,680	105,646	Syracuse.
29,336	32,546	30.0	20,563	19,796	18.5	2,409	2,258	2.1	54,154	52,663	Tacoma.
11,837	22,296	22.2	10,666	14,430	14.3	11,563	21,339	21.1	49,747	51,414	Tampa.
9,779	8,320	13.2	3,667	2,665	4.2	3,661	3,488	5.6	30,326	32,484	Terre Haute.
75,185	78,085	26.9	38,145	33,474	11.5	5,779	13,977	4.8	147,691	143,027	Toledo.
8,102	8,548	13.8	4,000	2,295	3.6	4,326	7,518	11.7	30,461	33,659	Topeka.
40,634	46,082	37.4	30,073	26,757	21.7	4,387	8,120	6.6	61,938	61,418	Trenton.
26,827	24,454	33.6	11,477	10,203	14.0	612	678	.9	34,418	38,345	Troy.
5,216	9,275	6.6	2,025	2,690	1.9	9,174	17,362	12.3	70,114	71,144	Tulsa.
8,952	24,959	42.5	5,862	18,535	31.6	30	67	.1	29,116	29,543	Union City. ⁸
36,756	41,642	40.9	23,257	21,309	20.9	392	496	.5	49,189	52,551	Utica
3,098	3,178	6.0	1,767	1,184	2.2	7,738	11,077	21.0	25,616	27,332	Waco.
58,824	61,555	12.6	28,548	29,932	6.1	110,711	132,955	27.3	231,883	254,986	Wash., D. C. ⁹
38,695	44,314	44.4	29,894	27,811	27.8	1,004	1,711	1.7	50,299	49,603	Waterbury.
14,720	15,441	25.0	5,796	5,071	8.2	1,633	2,209	3.6	29,852	31,807	Wheeling
7,550	10,460	9.4	3,021	2,263	2.0	3,594	6,788	6.1	54,174	56,936	Wichita.
30,000	36,486	42.1	14,567	14,688	17.0	557	914	1.1	42,624	44,002	Wilkes-Barre.
26,235	25,029	23.5	16,279	12,982	11.8	10,786	12,138	11.4	53,297	53,300	Wilmington
442	778	1.0	296	428	.6	20,746	32,569	43.3	35,792	39,482	Winston-Salem.
74,257	84,072	43.0	53,418	51,047	26.1	1,363	1,493	.8	95,488	99,823	Worcester
42,419	55,381	41.1	25,700	34,065	25.3	1,998	3,412	2.5	66,827	67,819	York
3,343	3,470	6.3	1,193	1,245	2.3	1,424	2,276	4.1	26,823	28,431	York
45,302	59,565	35.0	33,834	32,938	19.4	6,763	14,894	8.8	86,739	83,263	Youngstown.

⁸ Union and West Hoboken towns consolidated as Union City in 1925, combined population 1900, 38,281, 1910, 56,426, 1920, 60,725⁹ Population shown is for District of Columbia, with which the city is now coextensive.

No. 21.—FOREIGN-BORN POPULATION, ALL RACES, BY COUNTRY OF BIRTH. CONTINENTAL UNITED STATES

Country of birth	Number						Per cent of increase ¹	
	1880	1890	1900	1910	1920	1930	1910-1920	1920-1930
Total foreign born.....	6, 879, 943	9, 249, 580	10, 341, 276	13, 515, 886	13, 920, 692	14, 204, 149	3 0	2 0
Europe.....	5, 744, 311	8, 020, 603	8, 871, 780	11, 791, 841	11, 882, 053	11, 748, 399	.8	-1. 1
Northwestern Europe.....	3, 494, 484	4, 380, 752	4, 202, 683	4, 239, 087	3, 830, 094	3 728, 050	-9. 6	-2 7
England.....	664, 160	906, 092	840, 513	877, 719	813, 853	809, 563	-7 3	- 5
Scotland.....	170, 136	242, 231	233, 524	261, 076	254, 570	354, 323	-2 5	39 2
Wales.....	83, 302	100, 079	93, 586	82, 488	67, 066	60, 205	-18. 7	-10 2
Northern Ireland.....	1,854,571	1,871,509	1,615,459	1,352,251	1,037,234	178,832	-23 3	-11 0
Irish Free State.....						744,810		
Norway.....	181, 729	322, 665	336, 388	403, 877	363, 863	347, 852	-9 9	-4 4
Sweden.....	194, 337	478, 041	582, 014	665, 207	625, 585	595, 250	-6 0	-4 8
Denmark and Iceland ²	64, 196	132, 543	153, 690	181, 649	189, 154	182, 238	4 1	-3 7
Netherlands.....	58, 090	81, 828	94, 931	120, 063	131, 766	133, 133	9 7	1 0
Belgium ³	15, 535	22, 639	29, 757	49, 400	62, 687	64, 194	26 9	2 4
Luxemburg.....	12, 836	2, 882	3, 031	3, 071	12, 585	9, 048	309 8	-28 1
Switzerland.....	88, 621	104, 069	115, 593	124, 848	118, 659	113, 010	-5 0	-4 8
France ⁴	106, 971	113, 174	104, 197	117, 418	153, 072	135, 592	30 4	-11. 4
Central and Eastern Europe.....	2, 187, 776	3, 420, 629	4, 136, 646	6, 024, 041	6, 134, 845	5, 897, 799	1 8	-3 9
Germany ⁵	1, 966, 742	2, 784, 894	2, 663, 418	2, 311, 237	1, 686, 108	1, 608, 814	-27. 0	-4 6
Poland ⁶	48, 557	147, 440	383, 407	2, 937, 884	1, 139, 979	1, 268, 583	21. 5	11 3
Czechoslovakia ⁷					362, 438	491, 638		35 6
Austria ⁸	124, 024	241, 377	432, 798	2, 845, 555	575, 627	370, 914	-31 9	-35 6
Hungary ⁹	11, 526	62, 435	145, 714	495, 609	397, 283	274, 450	-19 8	-30 9
Yugoslavia ¹⁰					169, 439	211, 416		24 8
Serbia ¹¹				4, 639				
Montenegro ¹²				5, 374				
Russia and Lithuania.....			423, 726	1, 184, 412	1, 535, 563	1, 347, 234	29. 6	-10 7
Latvia and Estonia.....	35, 722	182, 644				24, 223		
Finland.....			62, 641	129, 680	149, 824	142, 478	15 5	-4 9
Rumania ¹³			15, 032	65, 923	102, 823	146, 393	56 0	42 4
Bulgaria ¹⁴				11, 498	10, 477	9, 399	-8 9	-10 3
Turkey in Europe ¹⁵	1, 205	1, 839	6, 910	7, 32, 230	5, 284	2, 257	-83 6	-57 3
Southern Europe.....	58, 265	206, 648	530, 200	1, 525, 875	1, 911, 213	2, 106, 295	25. 3	10 2
Greece ¹⁶	776	1, 887	8, 515	101, 282	175, 976	174, 526	73 7	- 8
Albania.....				(7)		5, 608		57 2
Italy ¹⁷	44, 230	182, 580	484, 027	1, 343, 125	1, 610, 113	1, 790, 429	19 9	11 2
Spain.....	5, 121	6, 153	7, 050	22, 108	49, 535	56, 362	124 1	19 8
Portugal.....	8, 138	15, 996	30, 608	59, 360	69, 981	73, 164	17 9	4 5
Other Europe.....	3, 786	12, 579	2, 251	2, 858	5, 901	16, 255	106. 5	175 5
Asia.....	107, 630	113, 398	120, 248	191, 484	237, 950	275, 665	24. 3	15 8
Armenia, Palestine, Syria, and Turkey in Asia.....	(8)	(8)	(8)	59, 729	102, 751	142, 184	72 0	38 4
China.....	104, 468	106, 701	81, 534	56, 756	43, 560	46, 129	-23. 3	5 9
Japan.....	401	2, 292	24, 788	67, 744	81, 502	70, 993	20 8	-12 9
India.....	1, 707	2, 143	2, 031	4, 664	4, 901	5, 850	5 1	19 4
Other Asia.....	1, 054	2, 260	11, 895	2, 591	5, 236	10, 509	102. 1	100 7
America.....	807, 930	1, 088, 245	1, 317, 380	1, 488, 231	1, 727, 017	2, 102, 209	16 0	21 7
Canada and Newfoundland ¹⁸	717, 157	980, 938	1, 179, 922	1, 209, 717	1, 138, 174	1, 310, 369	-5. 9	15 1
Canada—								
French ¹⁹		302, 496	395, 126	385, 083	307, 786	370, 852	-20. 1	20 5
Other ²⁰		678, 442	784, 796	819, 554	817, 139	915, 537	-3	12 0
Newfoundland ²¹				5, 080	13, 249	23, 980		81 0
West Indies.....	16, 401	23, 256	25, 435	47, 635	78, 962	106, 241	65 8	34 5
Mexico.....	68, 399	77, 853	103, 393	221, 915	486, 418	641, 462	119. 2	31 9
Central and South America.....	5, 273	6, 198	8, 630	9, 964	23, 463	44, 137	135. 5	88 1
All other.....	20, 772	27, 311	31, 868	43, 330	73, 672	77, 876	70. 0	5 7

¹ A minus sign (—) denotes decrease² Boundaries changed between 1910 and 1920. Statistics for 1910 relate to pre-war boundaries.
³ Persons reported in 1910 as of Polish mother tongue born in Germany (190,096), Austria (329,418), and Russia (418,370) have been deducted from the respective countries and combined as Poland for comparison with number reported in 1920 as born in Poland. Though Poland before 1919 was divided among Russia, Germany, and Austria, the censuses of 1880 to 1900 listed it as a country of birth.⁴ Created since 1910.⁵ Included as part of Yugoslavia in 1920 and 1930.⁶ Turkey in Asia included with Turkey in Europe prior to 1910.⁷ Albania included with Turkey in Europe in 1910 and earlier years.⁸ Newfoundland included with Canada prior to 1910.⁹ Except possessions of the United States.

Source: Bureau of the Census, Department of Commerce.

No. 22.—FOREIGN-BORN WHITE POPULATION, BY COUNTRY OF BIRTH:
CONTINENTAL UNITED STATES

Country of birth	1920		1930		Country of birth	1920		1930	
	Number	Per cent	Number	Per cent		Number	Per cent	Number	Per cent
Total.....	13, 712, 754	100.0	13, 368, 407	100.0	E. Europe—Contd				
Europe.....	11, 877, 891	86.6	11, 740, 121	87.8	Bulgaria.....	10, 477	0.1	9, 399	0.1
Northwestern Europe.....					Turkey in Europe.....	5, 284	(?)	2, 257	(?)
England.....	3, 828, 878	27.9	3, 724, 035	27.9	Southern Europe.....	1, 908, 389	13.9	2, 083, 226	15.7
Scotland.....	812, 828	5.9	808, 672	6.1	Greece.....	1, 175, 972	1.3	1, 774, 526	1.3
Wales.....	254, 567	1.9	354, 323	2.7	Italy.....	1, 610, 109	11.7	1, 790, 424	13.4
Northern Ireland.....	67, 066	.5	60, 205	.5	Spain.....	49, 247	.4	58, 302	.4
Irish Free State.....	1, 037, 233	7.6	744, 810	5.6	Portugal.....	67, 453	.5	69, 974	.5
Norway.....	363, 862	2.7	347, 852	2.6	Other Europe.....	11, 509	.1	25, 065	.2
Sweden.....	625, 580	4.6	595, 250	4.5	Asia.....	110, 450	.8	157, 590	1.2
Denmark.....	189, 154	1.4	179, 474	1.3	Turkey in Asia.....	11, 014	.1	46, 651	.3
Netherlands.....	131, 766	1.0	133, 133	1.0	Armenia.....	36, 626	.3	32, 166	.2
Belgium.....	62, 686	.5	64, 194	.5	Palestine and Syria.....	55, 102	.4	63, 362	.5
Luxemburg.....	12, 585	.1	9, 048	.1	Other Asia.....	7, 708	.1	15, 401	.1
Switzerland.....	118, 659	.9	113, 010	.8	America.....	1, 656, 801	12.1	1, 895, 070	10.4
France.....	152, 890	1.1	135, 232	1.0	Canada—French.....	307, 786	2.2	370, 852	2.8
Central Europe.....	4, 330, 960	31.6	4, 225, 815	31.6	Other.....	810, 092	5.9	907, 569	6.8
Germany.....	1, 686, 102	12.3	1, 608, 814	12.0	Newfoundland.....	13, 242	.1	23, 971	.2
Poland.....	1, 139, 978	8.3	1, 268, 563	9.5	Mexico.....	3, 478, 383	3.5	23, 743	.2
Czechoslovakia.....	362, 436	2.6	491, 638	3.7	Cuba.....	26, 369	.2	15, 482	.1
Austria.....	575, 625	4.2	370, 914	2.8	Other West Indies.....				
Hungary.....	397, 282	2.9	274, 450	2.1	Central and South America.....	20, 929	.2	37, 500	.3
Yugoslavia.....	169, 437	1.2	211, 416	1.6	Other countries.....	67, 512	.5	73, 836	.6
Eastern Europe.....	1, 803, 965	13.2	1, 671, 980	12.5	Australia.....	10, 801	.1	12, 720	.1
Russia.....			1, 153, 624	8.6	Iceland.....	(1)	(1)	2, 764	(?)
Latvia.....			20, 673	.2	Azores.....			35, 427	.3
Estonia.....	1, 400, 489	10.2	1, 393, 608	1.4	Other Atlantic islands.....	38, 984	.3	4, 052	(?)
Lithuania.....	135, 068	1.0	142, 478	1.1	All other.....	17, 727	.1	18, 673	.1
Finland.....	149, 824	1.1	146, 393	1.1					
Rumania.....	102, 823	.7	146, 393	1.1					

¹ Iceland included with Denmark.² Less than one-tenth of 1 per cent³ Made up largely of persons who would have been classified as Mexicans in 1930. See note 2, Table 14.⁴ Except possessions of the United StatesNo. 23.—URBAN AND RURAL FOREIGN-BORN WHITE POPULATION, BY
COUNTRY OF BIRTH: CONTINENTAL UNITED STATES, 1930

Country of birth	Urban	Rural	Per cent urban	Country of birth	Urban	Rural	Per cent urban
Total.....	10, 726, 859	2, 639, 548	80.3	E. Europe—Contd			
Europe.....	9, 438, 606	2, 301, 515	80.4	Rumania.....	131, 465	14, 928	89.8
Northwestern Europe.....	2, 821, 391	902, 644	75.8	Bulgaria.....	7, 346	2, 053	78.2
England.....	641, 200	167, 472	79.3	Turkey in Europe.....	2, 158	99	95.6
Scotland.....	295, 641	58, 782	83.4	Southern Europe.....	1, 830, 701	262, 525	87.5
Wales.....	46, 968	14, 237	76.4	Greece.....	159, 376	15, 150	91.3
Northern Ireland.....	156, 788	28, 230	84.3	Italy.....	1, 573, 003	217, 421	87.9
Irish Free State.....	671, 727	73, 083	90.2	Spain.....	46, 181	12, 121	79.2
Norway.....	194, 936	152, 916	56.0	Portugal.....	52, 141	17, 833	74.5
Sweden.....	408, 032	187, 218	68.5	Other Europe.....	21, 739	3, 326	86.7
Denmark.....	107, 127	72, 847	59.7	Asia.....	142, 889	14, 691	90.7
Netherlands.....	80, 466	52, 667	60.4	Turkey in Asia.....	43, 272	3, 379	92.8
Belgium.....	47, 136	17, 058	73.4	Armenia.....	28, 829	3, 337	89.6
Luxemburg.....	5, 693	3, 555	62.9	Palestine and Syria.....	57, 357	6, 005	90.5
Switzerland.....	67, 918	45, 092	60.1	Other Asia.....	13, 431	1, 970	87.2
France.....	104, 865	30, 367	77.5	America.....	1, 092, 246	302, 824	78.3
Central Europe.....	3, 312, 950	912, 885	78.4	Canada—French.....	292, 564	78, 288	78.9
Germany.....	1, 176, 950	431, 864	73.2	Other.....	696, 174	211, 395	76.7
Poland.....	1, 096, 114	172, 469	86.4	Newfoundland.....	22, 021	1, 950	91.9
Czechoslovakia.....	348, 261	143, 377	70.8	Mexico.....	18, 596	5, 147	78.3
Austria.....	308, 482	62, 432	83.2	Cuba.....	15, 128	816	94.9
Hungary.....	228, 642	45, 808	83.3	Other West Indies ¹	13, 990	1, 522	90.2
Yugoslavia.....	154, 501	56, 915	73.1	Central and S. America.....	33, 803	3, 706	90.1
Eastern Europe.....	1, 451, 825	220, 155	86.8	Other countries.....	53, 118	20, 518	72.1
Russia.....	1, 041, 173	112, 451	90.3	Australia.....	10, 208	2, 512	80.3
Lithuania.....	168, 090	25, 516	86.8	Iceland.....	1, 348	1, 416	48.8
Latvia.....	18, 744	1, 929	90.7	Azores.....	23, 382	12, 043	66.0
Estonia.....	2, 982	568	84.0	Other Atlantic islands.....	3, 427	625	84.6
Finland.....	79, 867	62, 611	56.1	All other.....	14, 753	3, 920	79.0

¹ Except possessions of the United States.

Source of Tables 22 and 23. Bureau of the Census, Department of Commerce.

No. 24.—FOREIGN-BORN WHITES BY

Division and State	Total foreign-born white	Northwestern Europe									
		United Kingdom				Irish Free State	Norway	Sweden	Denmark	Netherlands	Belgium
		England	Scotland	Wales	North- ern Ireland						
Continental United States.	13,368,407	808,672	354,323	60,205	178,882	744,810	347,852	595,250	179,474	133,133	64,194
New England.....	1,834,810	135,490	54,226	2,834	33,527	193,113	8,860	66,023	7,625	2,814	3,884
Maine.....	100,368	4,463	1,906	137	827	3,288	534	1,882	840	41	51
New Hampshire.....	82,660	3,922	1,728	72	1,010	4,807	396	1,608	166	163	523
Vermont.....	43,061	1,929	1,454	462	377	1,429	127	1,089	140	34	22
Massachusetts.....	1,054,636	78,418	32,724	1,358	20,378	138,366	5,454	36,810	3,070	1,890	1,956
Rhode Island.....	170,714	24,696	6,401	224	3,845	13,895	543	6,181	280	138	907
Connecticut.....	382,871	22,062	10,013	581	7,090	31,328	1,806	18,453	3,129	548	425
Middle Atlantic.....	5,289,042	276,133	137,861	26,336	92,559	361,502	55,697	91,045	26,978	30,960	12,692
New York.....	3,191,549	146,485	67,623	7,037	41,521	251,704	44,832	61,233	17,407	14,909	6,144
New Jersey.....	844,442	51,629	34,721	1,532	15,750	47,488	7,870	13,360	6,665	14,762	2,874
Pennsylvania.....	1,233,051	78,019	35,517	17,767	35,288	62,312	2,945	16,452	2,906	1,289	3,674
East North Central.....	3,223,924	170,013	84,579	14,585	23,322	93,881	74,228	165,785	42,397	57,443	33,053
Ohio.....	644,151	40,665	17,862	6,897	5,028	17,879	1,650	7,390	2,184	2,235	1,846
Indiana.....	135,134	7,465	3,808	934	1,045	3,951	730	4,666	964	1,992	3,254
Illinois.....	1,218,158	50,685	24,839	3,277	10,054	57,208	30,256	111,016	18,945	14,828	11,564
Michigan.....	840,268	62,721	35,287	2,236	6,138	11,390	7,201	23,905	7,210	32,128	13,931
Wisconsin.....	386,213	8,477	2,723	1,241	1,057	3,473	34,391	18,808	13,094	6,260	2,458
West North Central.....	1,059,277	38,641	13,035	3,882	6,750	23,983	131,904	147,988	57,193	20,532	5,590
Minnesota.....	388,294	8,445	3,241	582	1,403	5,095	71,562	90,623	13,831	4,832	1,701
Iowa.....	165,735	9,045	2,871	1,183	1,778	4,179	12,932	16,810	14,698	10,135	932
Missouri.....	149,390	7,919	2,419	573	1,308	8,561	575	3,895	1,497	706	859
North Dakota.....	105,148	1,592	891	111	329	8,631	31,337	8,470	2,936	658	238
South Dakota.....	65,648	2,159	612	265	351	862	13,061	6,540	5,298	3,068	239
Nebraska.....	115,346	4,213	1,223	383	801	2,502	1,691	14,335	10,210	620	523
Kansas.....	69,716	5,268	1,778	785	780	1,921	746	7,315	1,723	513	1,098
South Atlantic.....	304,278	25,673	8,859	1,797	3,637	12,163	2,591	4,940	2,339	1,624	1,397
Delaware.....	16,885	1,302	562	45	900	1,364	141	294	99	56	29
Maryland.....	95,093	5,067	1,920	477	813	4,032	703	764	464	343	152
Dist. of Columbia.....	29,932	2,835	884	116	493	3,026	228	435	229	151	92
Virginia.....	23,820	3,088	1,239	132	375	789	318	467	330	264	101
West Virginia.....	51,520	3,282	1,267	607	222	659	57	303	75	42	690
North Carolina.....	8,788	1,208	477	35	63	253	95	160	65	201	19
South Carolina.....	5,266	479	179	13	90	185	65	106	39	24	52
Georgia.....	13,917	1,328	534	83	147	546	125	266	108	67	45
Florida.....	59,057	7,084	1,797	289	534	1,309	859	2,145	921	476	217
East South Central.....	57,665	5,059	1,941	377	587	2,758	447	1,246	476	295	184
Kentucky.....	21,840	1,478	524	114	191	1,056	46	1,770	72	112	59
Tennessee.....	13,066	1,351	433	104	160	491	68	232	123	56	28
Alabama.....	15,710	1,760	860	141	162	413	265	638	182	95	60
Mississippi.....	7,049	470	124	18	54	198	68	206	90	32	37
West South Central.....	170,232	11,193	3,241	612	1,212	4,921	2,292	5,534	2,319	1,044	1,009
Arkansas.....	10,173	800	229	51	100	354	72	249	138	80	78
Louisiana.....	34,910	1,512	435	66	234	970	487	433	315	220	307
Oklahoma.....	26,753	2,099	866	235	262	690	243	835	516	166	217
Texas.....	98,396	6,782	1,711	260	616	2,907	1,490	4,017	1,350	578	407
Mountain.....	287,914	33,070	10,934	3,885	3,173	10,252	15,350	25,839	13,246	5,038	1,343
Montana.....	72,901	6,020	2,721	580	1,095	3,950	8,991	5,655	2,541	1,253	509
Idaho.....	30,454	3,252	1,025	355	284	616	2,148	4,200	1,667	341	118
Wyoming.....	19,658	2,105	1,424	222	179	584	647	1,783	775	101	139
Colorado.....	85,406	6,891	2,877	1,061	900	3,184	1,261	8,828	2,374	810	390
New Mexico.....	7,797	648	354	99	91	218	119	263	101	64	34
Arizona.....	15,591	2,309	579	139	235	653	295	778	364	100	50
Utah.....	43,772	10,851	1,669	862	234	584	1,698	4,389	4,883	2,325	779
Nevada.....	12,275	994	285	67	155	463	191	443	541	44	24
Pacific.....	1,159,765	113,400	39,647	6,397	14,085	42,237	56,483	86,850	33,901	18,388	5,042
Washington.....	244,250	20,304	8,024	1,694	2,154	4,942	31,429	34,084	7,175	3,484	1,242
Oregon.....	105,475	8,077	3,820	592	1,039	2,802	7,450	11,032	3,551	1,002	681
California.....	810,034	85,019	27,803	4,111	10,892	34,493	17,604	41,734	23,175	8,897	3,119

COUNTRY OF BIRTH, BY STATES, 1930

Northwestern Europe—Continued			Central Europe						Eastern Europe			Division and State
Lux-emburg	Switzer-land	France	Ger-many	Poland	Czecho-slova-kia	Aus-tria	Hun-gary	Yugo-slavia	Russia	Lithu-ania	Lat-va	
9, 048	113, 010	135, 232	1, 608, 814	1, 268, 583	491, 638	370, 914	274, 450	211, 416	1, 153, 624	193, 606	20, 673	U. S.
76	3, 541	11, 723	50, 005	138, 774	16, 024	11, 948	11, 107	1, 334	103, 310	41, 753	2, 808	N. E.
5	51	314	818	1, 706	241	230	30	16	1, 880	1, 121	92	Me.
2	82	299	1, 517	4, 101	132	174	47	36	1, 427	1, 084	46	N. H.
1	158	182	577	1, 562	191	132	156	71	660	160	21	Vt.
31	1, 272	6, 026	20, 538	71, 442	2, 966	4, 266	905	305	67, 684	25, 219	2, 315	Mass.
11	204	2, 013	3, 090	8, 696	274	838	133	24	5, 800	922	93	R. I.
26	1, 774	2, 589	23, 465	49, 267	12, 220	6, 306	9, 836	882	25, 769	13, 247	339	Conn.
887	30, 985	52, 449	572, 571	619, 622	199, 705	216, 000	136, 753	54, 662	659, 250	69, 882	9, 052	M. A.
532	16, 571	32, 145	349, 196	350, 383	56, 176	112, 238	70, 631	10, 917	481, 306	22, 933	5, 971	N. Y.
117	8, 765	10, 520	112, 753	102, 573	32, 358	24, 010	32, 332	3, 643	62, 152	9, 870	1, 194	N. J.
218	5, 649	9, 784	110, 622	166, 672	111, 171	49, 692	33, 790	40, 102	115, 792	37, 079	1, 887	Pa.
3, 976	27, 066	24, 101	524, 437	418, 569	190, 709	82, 800	100, 773	102, 437	175, 188	67, 872	4, 451	E. N. C.
163	7, 624	5, 746	95, 697	64, 493	68, 738	20, 547	47, 020	38, 584	32, 627	7, 581	721	Ohio
56	1, 624	2, 160	28, 152	17, 432	8, 325	2, 709	7, 674	6, 646	4, 749	2, 109	116	Ind.
2, 786	7, 315	10, 155	190, 605	173, 007	76, 420	33, 336	20, 395	28, 173	87, 026	44, 733	2, 009	Ill.
375	2, 834	4, 581	81, 714	119, 228	17, 646	13, 209	19, 188	16, 468	34, 348	9, 340	674	Mich.
596	7, 669	1, 459	128, 269	42, 359	19, 580	12, 709	6, 490	12, 266	16, 418	4, 109	331	Wis.
2, 874	11, 660	7, 329	228, 951	34, 419	46, 005	22, 924	7, 295	17, 049	83, 728	3, 837	684	W. N. C.
1, 032	2, 041	1, 246	59, 993	15, 015	11, 415	7, 288	1, 681	8, 888	11, 902	1, 233	255	Minn.
873	2, 096	1, 435	53, 901	1, 875	8, 280	1, 596	295	1, 306	4, 482	835	66	Iowa.
54	3, 578	2, 353	42, 276	8, 324	4, 495	7, 928	3, 484	2, 753	15, 689	803	167	Mo.
202	369	237	10, 114	2, 128	1, 869	1, 407	898	336	22, 617	121	33	N. Dak.
380	618	220	12, 739	717	2, 589	678	231	223	9, 023	46	7	S. Dak.
204	1, 364	558	32, 544	4, 445	14, 313	1, 863	372	762	11, 234	589	145	Nebr.
129	1, 594	1, 271	17, 384	1, 915	3, 044	2, 164	334	2, 781	8, 781	158	11	Kans.
85	2, 248	3, 950	38, 225	26, 239	8, 309	7, 578	6, 737	3, 065	35, 870	5, 681	1, 384	S. A.
-----	75	147	1, 459	2, 954	159	435	157	7	1, 450	90	29	Del.
19	497	773	18, 925	12, 027	3, 344	2, 634	1, 219	275	18, 782	3, 422	624	Md.
8	360	707	3, 411	1, 562	193	493	228	55	4, 914	256	142	D. C.
3	191	365	2, 505	1, 221	927	492	560	67	2, 989	400	261	Va.
11	353	546	3, 129	5, 545	2, 831	2, 254	3, 683	2, 440	2, 209	1, 009	71	W. Va.
4	87	156	903	319	50	146	70	9	758	121	31	N. C.
1	26	76	747	510	52	74	32	13	556	60	49	S. C.
-----	114	278	1, 682	1, 156	115	225	136	39	2, 200	155	115	Ga.
39	500	902	5, 464	945	638	825	652	160	2, 012	168	62	Fla.
19	1, 561	1, 462	12, 138	2, 711	878	1, 239	1, 093	550	5, 023	424	182	E. S. C.
4	915	583	7, 552	809	104	484	557	201	1, 629	186	40	Ky.
3	443	217	1, 733	960	131	223	208	25	1, 803	106	66	Tenn.
7	150	466	2, 114	556	483	386	284	135	1, 067	88	49	Ala.
5	53	196	739	296	70	146	44	189	524	44	27	Miss.
93	2, 681	5, 698	38, 411	6, 800	14, 885	4, 590	1, 241	1, 141	10, 856	580	247	W. S. C.
7	518	2, 254	2, 989	394	404	293	67	118	401	52	10	Ark.
10	260	2, 935	3, 616	655	332	467	361	397	1, 375	31	23	La.
31	493	717	5, 893	1, 162	1, 867	530	191	162	3, 613	189	74	Okla.
45	1, 410	1, 792	25, 913	4, 589	12, 282	3, 300	622	464	5, 467	308	140	Tex.
236	5, 593	4, 071	28, 731	5, 125	5, 018	6, 002	1, 572	12, 133	20, 865	614	135	Mt.
108	901	653	6, 155	1, 144	1, 714	1, 435	360	3, 877	4, 212	175	19	Mont.
41	1, 038	381	3, 427	227	541	399	106	489	1, 153	18	4	Idaho.
7	250	359	1, 714	604	521	457	175	1, 322	1, 375	35	6	Wyo.
51	1, 202	1, 072	9, 988	2, 488	1, 714	2, 468	690	3, 650	12, 979	262	61	Colo.
5	117	259	936	97	143	316	59	490	219	24	4	N. Mex.
12	279	303	1, 433	253	178	341	94	784	463	58	18	Ariz.
9	1, 419	261	4, 104	230	119	410	72	989	342	36	15	Utah.
3	387	783	974	82	88	176	16	532	122	6	8	Neu.
822	27, 675	24, 449	115, 295	20, 318	10, 105	18, 035	7, 879	19, 045	59, 554	2, 963	1, 632	Pac.
263	3, 578	1, 986	20, 542	3, 942	2, 202	3, 128	579	4, 761	9, 229	868	276	Wash.
122	4, 034	1, 144	12, 913	2, 086	1, 691	1, 664	404	1, 541	6, 278	319	167	Oreg.
437	20, 063	21, 319	81, 840	14, 290	6, 212	13, 243	6, 896	12, 743	44, 047	1, 776	1, 189	Calif.

No. 24.—FOREIGN-BORN WHITES BY COUNTRY

Division and State	Eastern Europe—Continued					Southern Europe				Other Europe ¹	Asia	
	Estonia	Finland	Rumania	Bulgaria	Turkey in Europe	Greece	Italy	Spain	Portugal		Armenia	Palestine and Syria
Continental United States.	3,550	142,478	146,393	9,399	2,257	174,526	1,790,424	58,302	69,974	25,065	32,166	63,362
New England.....	182	18,503	3,424	238	311	25,423	253,098	2,363	35,674	4,643	10,687	11,504
Maine.....	4	1,406	27	5	16	748	2,359	40	78	261	134	486
New Hampshire.....	3	1,386	35	15	7	3,233	1,938	20	247	204	151	413
Vermont.....	5	555	15	4	-----	225	3,082	478	46	9	14	274
Massachusetts.....	89	13,077	1,689	116	217	16,780	126,103	798	24,840	3,116	7,705	7,403
Rhode Island.....	10	448	480	48	38	1,100	32,493	110	8,118	282	1,909	1,249
Connecticut.....	71	1,631	1,178	50	33	3,337	87,123	917	2,345	771	774	1,679
Middle Atlantic.....	1,949	22,290	72,826	1,544	1,043	51,052	1,048,159	25,517	10,052	8,604	8,412	21,494
New York.....	1,505	17,444	61,014	978	840	33,387	629,322	17,695	5,106	4,595	4,874	13,024
New Jersey.....	234	2,721	6,686	124	77	6,020	190,858	4,982	3,655	1,040	1,947	2,939
Pennsylvania.....	210	2,125	15,126	442	117	11,646	225,979	2,840	1,291	2,969	1,591	5,521
East North Central.....	401	42,948	48,871	4,814	424	49,101	244,504	4,583	548	7,500	5,927	12,598
Ohio.....	81	5,633	19,580	1,686	96	12,050	71,496	1,556	185	1,562	468	4,496
Indiana.....	10	265	3,292	403	11	4,087	6,873	597	88	362	127	783
Illinois.....	127	4,302	13,172	1,037	69	20,003	110,449	1,030	102	1,449	1,635	1,551
Michigan.....	123	27,022	11,482	1,594	201	10,061	43,087	1,324	131	3,757	3,322	5,219
Wisconsin.....	60	5,724	1,345	194	17	2,900	12,599	56	40	370	375	549
West North Central.....	58	26,328	9,012	692	34	8,018	31,653	659	32	1,032	267	3,294
Minnesota.....	30	24,360	2,819	238	7	1,765	6,401	42	5	138	60	705
Iowa.....	4	70	284	159	2	1,910	3,834	22	1	69	68	580
Missouri.....	9	100	2,321	151	19	2,405	15,204	460	14	547	86	889
North Dakota.....	7	873	2,518	39	-----	303	102	8	1	27	22	239
South Dakota.....	3	825	410	46	3	279	305	7	1	25	3	283
Nebraska.....	3	48	336	30	3	822	3,642	18	4	140	24	335
Kansas.....	2	52	324	29	-----	534	2,165	102	6	86	4	253
South Atlantic.....	119	1,191	2,743	213	106	11,449	39,512	6,277	393	762	323	4,818
Delaware.....	11	50	91	2	4	339	3,769	121	7	33	3	7
Maryland.....	39	376	811	16	6	1,617	10,872	281	33	185	30	133
Dist. of Columbia.....	2	69	160	16	25	1,347	4,330	148	23	85	68	305
Virginia.....	9	68	172	9	23	1,285	1,853	111	57	104	133	569
West Virginia.....	6	144	667	121	12	2,479	12,088	1,372	49	172	16	1,317
North Carolina.....	4	9	33	7	6	1,006	438	21	9	37	2	701
South Carolina.....	2	38	21	1	6	627	188	19	3	30	-----	413
Georgia.....	6	104	143	8	12	1,197	712	79	90	46	23	411
Florida.....	40	333	645	38	12	1,552	5,262	4,125	122	70	48	962
East South Central.....	12	154	464	43	22	2,304	7,288	213	39	259	32	1,801
Kentucky.....	-----	27	202	20	14	466	1,589	97	26	75	8	447
Tennessee.....	-----	24	98	3	3	528	1,946	17	3	93	13	133
Alabama.....	11	51	133	16	5	968	2,140	68	7	55	8	508
Mississippi.....	1	52	31	4	-----	342	1,613	31	3	36	3	713
West South Central.....	53	297	847	220	37	3,331	22,185	1,437	104	607	53	3,891
Arkansas.....	2	10	36	33	2	312	952	7	1	31	4	227
Louisiana.....	23	82	127	29	12	574	13,526	666	52	135	15	954
Oklahoma.....	-----	25	140	109	-----	642	1,157	50	12	71	10	838
Texas.....	28	180	544	49	23	1,803	6,560	714	39	370	24	1,802
Mountain.....	84	5,765	1,435	640	20	6,716	23,774	3,480	224	256	193	1,207
Montana.....	29	2,700	641	197	1	840	2,840	67	14	67	43	166
Idaho.....	9	858	110	29	1	414	1,153	1,086	18	12	14	45
Wyoming.....	10	633	55	68	2	888	1,653	119	23	18	24	49
Colorado.....	13	563	450	271	9	1,230	10,670	210	15	77	35	281
New Mexico.....	6	41	20	11	-----	292	1,269	152	4	14	2	193
Arizona.....	12	300	75	18	2	356	822	473	21	24	14	299
Utah.....	3	507	64	37	5	2,197	1,814	274	8	36	37	151
Nevada.....	2	163	20	9	-----	499	2,563	1,099	121	8	24	23
Pacific.....	692	25,004	6,771	890	260	17,131	122,251	13,793	22,910	1,402	6,279	2,835
Washington.....	149	11,002	787	247	76	2,881	10,274	280	114	219	113	294
Oregon.....	107	5,507	843	174	17	1,575	4,728	497	101	61	47	198
California.....	436	8,495	5,141	469	167	12,675	107,249	13,016	22,695	1,122	6,112	2,343

¹ Comprises Albania, Danzig, and "Europe, not specified."² Comprises Hedjaz, India, China, Japan, and "Asia, not specified."

Source. Bureau of the Census, Department of Commerce.

OF BIRTH, BY STATES 1930—Continued

Asia—Con.		America							Other countries			All other ⁴	Division and State
Turkey in Asia	Other Asia ²	Canada		Newfoundland	Mexico	Cuba	Other West Indies ³	Central and South America	Australia	Azores	Iceland		
		French	Other										
46,651	15,401	370,852	907,569	23,971	23,743	15,944	15,482	37,509	12,720	35,427	2,764	22,725	U. S.
8,348	1,294	264,261	252,780	12,533	145	350	1,037	2,480	597	22,272	73	3,235	N. E.
131	35	36,947	36,796	204	4	11	45	31	20	5	2	100	Me.
259	22	37,682	13,277	228	4	16	19	34	20	34	---	71	N. H.
17	16	17,320	9,802	101	9	8	8	30	14	3	1	31	Vt.
6,124	460	115,241	172,810	10,988	85	198	602	1,390	309	18,562	61	2,422	Mass.
1,084	92	31,501	7,777	250	12	14	128	352	56	3,561	2	266	R. I.
733	669	25,570	12,238	758	31	103	235	623	118	107	7	315	Conn.
21,183	4,409	33,336	147,411	8,046	3,551	7,099	9,884	20,149	2,628	198	166	6,484	M. A.
16,673	3,163	28,955	118,919	6,374	2,744	6,058	8,372	16,032	1,659	138	114	4,551	N. Y.
2,353	579	2,470	14,051	932	288	552	1,023	2,415	428	50	48	1,034	N. J.
2,157	667	1,911	14,441	740	519	489	489	1,702	539	10	4	899	Pa.
8,593	4,362	42,308	252,217	1,725	2,905	689	571	3,310	1,684	22	227	3,571	E. N. C.
1,826	614	2,606	24,241	217	309	189	119	683	307	2	6	660	Ohio.
297	288	682	5,519	69	218	30	22	148	98	3	3	178	Ind.
2,043	2,411	6,189	37,400	386	1,430	287	207	1,483	709	7	123	1,290	Ill.
3,564	936	28,539	173,777	975	760	151	196	774	445	8	32	976	Mich.
858	113	4,292	11,280	78	188	32	27	222	125	2	63	467	Wis.
507	500	10,581	52,323	185	1,064	124	157	711	470	5	1,045	1,823	W. N. C.
83	159	6,434	20,618	48	115	13	14	114	86	2	286	368	Minn.
67	76	608	5,725	42	178	10	31	83	81	1	9	220	Iowa.
240	98	588	4,824	35	359	66	78	247	146	---	10	275	Mo.
38	28	1,354	10,837	11	32	4	2	46	25	---	724	102	N. Dak.
28	24	492	2,859	8	14	1	7	18	18	---	15	91	S. Dak.
28	62	436	3,942	34	212	6	9	63	47	1	19	123	Nebr.
23	55	569	3,468	4	156	24	16	137	67	1	2	144	Kans.
1,547	574	2,055	15,384	301	377	6,672	2,439	1,304	400	24	33	866	S. A.
21	8	61	399	8	14	17	26	84	8	---	1	47	Del.
180	68	291	1,975	61	40	105	121	279	86	3	13	196	Md.
198	64	223	1,458	33	61	80	49	231	43	2	6	88	D. C.
230	90	157	1,460	27	24	48	43	114	53	---	7	81	Va.
369	79	118	839	15	101	27	8	96	40	1	---	54	W. Va.
108	61	80	850	26	11	24	14	30	22	1	1	57	N. C.
93	34	31	247	7	6	15	15	12	4	1	---	25	S. C.
185	37	109	985	20	21	69	32	70	30	4	---	60	Ga.
163	133	985	7,171	104	99	6,287	2,131	388	114	12	5	258	Fla.
157	105	347	2,763	46	138	100	180	262	87	---	4	165	E. S. C.
48	33	96	822	21	24	22	12	36	29	---	---	60	Ky.
30	26	92	847	12	27	21	16	56	27	---	---	36	Tenn.
62	26	117	785	11	43	46	130	92	19	---	3	45	Ala.
17	20	42	309	2	44	11	22	78	12	---	---	24	Miss.
448	267	994	7,326	125	4,455	332	327	1,443	276	11	13	573	W. S. C.
18	7	77	618	39	37	5	7	29	19	---	---	42	Ark.
117	48	222	759	18	557	229	130	1,023	45	---	1	125	La
45	51	243	1,876	15	169	15	21	71	46	3	1	92	Okla.
268	161	452	4,073	53	3,692	133	169	320	166	8	11	314	Tex.
298	267	3,678	23,302	134	2,284	70	104	513	616	103	137	838	Mt.
79	47	1,966	8,787	33	88	3	19	65	71	5	16	109	Mont.
11	17	571	3,931	41	68	3	4	30	53	27	12	107	Idaho.
13	22	118	1,018	3	67	2	13	19	13	1	1	42	Wyo.
78	73	572	5,244	27	336	28	33	213	114	1	---	29	N. Mex.
8	17	62	551	6	390	7	3	50	16	---	---	1	Colo.
29	53	153	1,820	15	1,086	19	21	58	85	2	4	67	Ariz.
34	22	97	1,093	5	177	3	4	38	215	---	97	274	Utah.
46	16	134	818	4	72	5	7	40	46	116	6	50	Neu.
5,570	3,623	13,342	154,083	876	8,824	458	783	7,357	5,964	12,742	1,066	5,669	Pac.
646	408	4,340	43,724	250	115	20	57	350	583	15	741	685	Wash.
154	149	1,345	16,571	67	61	11	32	151	273	27	49	321	Oreg.
4,770	3,066	7,657	93,788	559	8,648	427	694	6,856	5,108	12,700	276	4,663	Calif.

³ Except possessions of the United States.⁴ Comprises Africa, Pacific Islands, Cape Verde islands, and other Atlantic islands, "Country not specified," and "At sea."

32 POPULATION—FOREIGN BORN WHITE BY MOTHER TONGUE

No. 25.—MOTHER TONGUE OF THE FOREIGN-BORN WHITE POPULATION: CONTINENTAL UNITED STATES

NOTE.—Figures for 1920 have been adjusted by deducting from the total, and from Spanish mother tongue, the estimated number of persons who would have been classified as Mexican in 1930.

Mother tongue	Number		Per cent distribution		Per cent of increase, 1920-1930 ¹	Male		Female	
	1920	1930	1920	1930		1920	1930	1920	1930
Total.....	13,255,394	13,366,407	100.0	100.0	0.8	7,289,191	7,153,709	5,986,203	6,212,698
English and Celtic.....	3,007,932	3,097,021	22.7	23.2	3.0	1,454,967	1,483,363	1,552,965	1,613,658
Germanic									
German.....	2,267,128	2,188,006	17.1	16.4	-3.5	1,209,610	1,153,415	1,057,518	1,034,591
Dutch.....	136,540	133,142	1.0	1.0	-2.5	78,243	77,409	58,297	55,733
Flemish.....	45,696	42,263	.3	.3	-7.5	26,620	23,707	19,076	18,556
Scandinavian ²									
Swedish.....	643,203	615,465	4.9	4.6	-4.3	354,830	344,403	288,373	271,062
Norwegian.....	362,199	345,522	2.7	2.6	-4.6	201,778	195,131	160,421	150,391
Danish.....	187,162	178,944	1.4	1.3	-4.4	113,150	109,550	74,012	69,394
Icelandic.....	2,369	2,714			14.6	1,161	1,339	1,208	1,375
Latin and Greek									
Italian.....	1,624,998	1,808,289	12.3	13.5	11.3	967,394	1,053,056	657,604	755,233
French.....	466,956	523,297	3.5	3.9	12.1	240,400	262,446	226,556	280,851
Spanish.....	98,751	126,288	.7	.9	27.9	65,864	80,358	32,887	45,930
Portuguese.....	105,895	110,197	.8	.8	4.1	60,279	64,306	45,610	45,891
Rumanian.....	62,336	56,964	.5	.4	-8.6	38,841	33,111	23,495	23,853
Greek.....	174,658	189,066	1.3	1.4	8.2	142,477	138,780	32,181	50,286
Slavic and Lettic									
Polish.....	1,077,392	965,899	8.1	7.2	-10.3	614,876	524,243	462,516	441,656
Czech.....	234,564	201,138	1.8	1.5	-14.3	121,482	101,425	113,082	99,713
Slovak.....	274,948	240,196	2.1	1.8	-12.6	160,617	129,357	114,331	110,839
Russian.....	392,049	315,721	3.0	2.4	-19.5	232,168	181,215	159,881	134,506
Ruthenian.....		9,800		.1	23.0		5,350		4,450
Ukrainian.....	55,672	58,685	.4	.4		33,254	32,312	22,418	26,373
Slovenian.....	80,437	77,671	.6	.6	-3.4	50,781	46,989	29,656	30,682
Croatian.....	85,175	79,802	.6	.6	-6.3	61,424	51,668	23,751	28,134
Serbian.....	40,669	30,121	.3	.2	-25.9	29,086	21,076	11,583	9,045
Bulgarian.....	12,853	12,128	.1	.1	-5.6	11,828	9,676	1,025	2,452
Wendish.....	2,039	1,372			-32.7	1,061	672	978	700
Lithuanian.....		165,053		1.2	-5.3		96,164		68,889
Letish.....	182,227	7,590	1.4	.1		112,557	4,383	69,670	3,207
Unclassified									
Yiddish.....	1,091,820	1,222,658	8.2	9.1	12.0	570,030	621,809	521,790	600,849
Magyar.....	290,419	250,393	2.2	1.9	-13.8	161,140	129,775	129,279	120,618
Finnish.....	132,543	124,994	1.0	.9	-5.7	75,588	67,796	56,955	57,198
Estonian.....	1,024	2,809			174.3	742	1,920	282	889
Armenian.....	37,647	51,741	.3	.4	37.4	26,023	30,295	11,624	21,446
Arabic.....	57,557	67,830	.4	.5	17.8	35,492	39,978	22,065	27,852
Turkish.....	6,627	10,457		.1	57.8	5,263	6,911	1,374	3,546
Albanian.....	5,515	7,586		.1	37.6	4,818	5,604	697	1,982
All other.....	1,228	3,352			173.0	909	2,369	319	983
Unknown.....	7,166	42,233	.1	.3	489.4	4,448	22,348	2,718	19,885

¹ A minus sign (—) denotes a decrease

² Corrected figures

³ Reported as "Slavic, not specified" in 1920 but practically all Wendish.

Source: Bureau of the Census, Department of Commerce.

**No. 26.—CITIZENSHIP OF FOREIGN-BORN WHITES, 21 YEARS AND OVER:
BY PRINCIPAL COUNTRIES OF BIRTH, CONTINENTAL UNITED STATES, 1930**

NOTE—Figures for 1920 have been adjusted by deducting from the total the estimated number of persons who would have been classified as Mexican in 1930

Country of birth	Male					Female				
	Total 21 years and over 1	Naturalized		Having first papers	Aliens	Total 21 years and over 1	Naturalized		Having first papers	Aliens
		Number	Per cent				Number	Per cent		
1920, total.....	8,747,384	3,308,924	49 0	1,114,432	1,973,918	5,445,935	2,883,092	52 9	77,301	2,118,196
1930, total.....	8,797,494	4,217,576	62 0	926,454	1,435,309	5,840,149	3,409,860	58 4	291,962	1,907,528
EUROPE										
Northwestern Europe										
England.....	391,838	272,566	69 6	46,307	56,671	376,263	255,542	67 9	18,871	84,708
Scotland.....	163,588	95,710	59 1	31,062	29,992	154,249	84,019	54 5	11,559	52,398
Wales.....	30,646	23,156	75 6	2,952	3,127	26,530	20,188	77 2	953	3,793
Northern Ireland.....	78,114	55,247	72 0	9,046	9,366	93,971	63,806	67 0	4,703	20,577
Irish Free State.....	316,731	222,642	70 3	39,530	38,017	404,515	266,098	65 8	23,653	89,539
Norway.....	191,248	135,482	70 8	23,298	26,173	117,020	108,430	73 8	6,234	26,814
Sweden.....	326,063	235,680	72 1	39,475	41,881	255,443	193,445	75 7	10,489	43,919
Denmark.....	107,423	80,911	75 3	12,267	10,808	67,160	51,896	77 3	2,975	9,247
Iceland.....	1,358	939	69 1	188	179	1,351	935	69 2	64	291
Netherlands.....	73,288	50,305	68 6	9,332	11,397	51,629	35,673	69 1	2,379	11,857
Belgium.....	33,260	22,789	68 5	4,877	4,569	26,887	17,267	64 2	1,804	6,845
Luxemburg.....	5,383	4,452	82 7	386	351	3,609	2,761	78 7	158	435
Switzerland.....	62,951	42,621	67 5	7,843	10,052	46,530	32,447	69 7	2,465	9,408
France.....	63,246	41,637	65 8	6,589	12,258	66,034	41,644	63 1	3,053	18,268
Central Europe										
Germany.....	813,294	588,295	72 3	108,098	87,696	734,959	534,407	72 7	46,037	121,694
Poland.....	656,348	363,922	55 4	110,597	169,496	500,282	252,427	45 1	30,238	264,097
Czechoslovakia.....	246,763	159,915	64 8	33,703	47,975	226,989	134,209	59 1	10,229	75,893
Austria.....	188,070	125,143	66 5	22,955	33,232	171,222	102,915	60 1	8,507	52,813
Hungary.....	133,697	80,138	59 9	22,025	28,284	128,180	67,012	52 3	7,788	49,184
Yugoslavia.....	126,732	60,234	47 5	24,640	39,562	75,706	33,747	44 6	4,404	35,857
Eastern Europe										
Russia.....	589,065	398,920	67 7	67,378	107,518	511,490	295,915	57 5	22,671	178,318
Latvia.....	10,687	7,132	66 7	1,559	1,773	9,187	5,132	55 9	534	3,214
Estonia.....	2,292	1,052	45 9	651	531	1,078	419	38 9	174	444
Lithuania.....	109,223	55,760	51 1	18,511	32,631	80,821	34,826	43 1	4,081	39,913
Finland.....	75,331	38,033	50 5	12,204	23,323	63,551	33,549	52 8	3,396	24,955
Rumania.....	75,241	49,298	65 5	11,751	12,767	64,058	35,832	55 9	3,556	22,871
Bulgaria.....	7,346	2,813	38 3	1,896	2,435	1,615	617	38 2	130	821
Turkey in Europe.....	1,179	655	55 6	234	260	874	293	33 5	54	500
Southern Europe										
Greece.....	125,019	62,649	49 9	22,701	36,516	41,717	12,825	30 7	2,158	25,349
Albania.....	6,146	2,227	36 2	1,386	2,396	1,913	360	18 8	98	1,410
Italy.....	986,531	545,729	55 3	119,191	299,015	693,177	303,114	43 7	21,840	347,291
Spain.....	40,250	7,554	18 8	6,098	25,408	14,715	2,986	20 3	649	10,516
Portugal.....	40,264	8,129	20 2	4,237	26,872	25,728	4,602	17 9	581	19,631
Other Europe.....	9,086	4,289	47 2	1,812	2,358	5,993	3,165	52 8	289	2,102
ASIA										
Armenia.....	18,240	10,106	55 4	3,048	4,702	11,909	4,327	36 3	604	6,679
Palestine.....	3,106	1,907	61 4	488	596	1,981	1,083	54 7	124	684
Syria.....	30,994	17,997	58 1	4,707	7,449	23,131	9,876	42 7	1,082	11,856
Turkey in Asia.....	26,525	14,582	55 0	4,709	6,651	16,809	5,701	33 9	994	9,586
Other Asia.....	8,658	3,533	40 8	1,751	3,016	4,395	2,038	46 4	339	1,789
AMERICA										
Canada—French.....	167,493	86,019	51 4	22,209	53,572	161,660	81,177	50 2	6,633	67,570
Canada—Other.....	364,192	204,047	56 0	53,096	84,451	409,098	245,777	60 1	21,963	116,894
Newfoundland.....	10,177	4,239	41 7	2,256	3,268	10,914	4,504	41 3	832	4,995
Cuba.....	7,734	1,681	21 7	566	4,844	5,157	1,386	26 9	92	3,800
Other West Indies 2.....	6,971	3,642	52 2	932	1,916	7,042	3,024	42 9	458	2,888
Mexico.....	10,471	2,057	19 6	794	6,685	8,672	2,732	31 5	229	4,940
Central and South America.....	18,052	5,359	29 7	3,128	8,563	11,989	3,899	32 5	595	6,611
OTHER COUNTRIES										
Africa.....	3,771	2,040	54 1	640	875	2,851	1,520	53 3	187	964
Australia.....	6,257	3,770	60 3	807	1,285	5,026	3,488	62 0	260	1,494
Azores.....	18,201	5,070	27 9	1,791	10,794	15,019	3,394	21 7	416	11,215
Other Atlantic Is 3.....	2,241	789	35 2	324	1,005	1,539	562	36 5	62	813
Pacific Islands.....	2,104	1,179	56 0	310	468	1,795	1,056	58 8	109	508
All other 4.....	3,406	1,635	48 0	119	310	2,516	1,513	60 1	37	261

1 Totals include persons whose citizenship was not reported.

2 Except possessions of the United States

3 Includes Cape Verde Islands.

4 Includes country not specified and born at sea.

Source: Bureau of the Census, Department of Commerce.

No. 27.—PERSONS 21 YEARS OF AGE AND OVER, BY CLASSES AND

Division and State	Persons 21 years of age and over						
	All classes			Native white			
	Total	Male	Female	Total		Native parentage	
				Male	Female	Male	Female
Continental United States.	72,943,624	37,056,757	35,886,867	26,418,580	26,343,811	19,257,937	18,858,829
New England.....	5,095,074	2,481,494	2,613,580	1,596,613	1,712,944	882,269	920,380
Maine.....	487,125	244,320	242,805	197,844	197,046	153,689	151,979
New Hampshire.....	294,055	145,551	148,504	106,610	109,812	71,515	72,236
Vermont.....	220,428	112,374	108,054	92,231	90,440	68,922	66,947
Massachusetts.....	2,686,487	1,287,970	1,398,517	787,045	808,395	384,681	414,903
Rhode Island.....	421,197	202,029	219,168	120,480	133,911	54,159	57,644
Connecticut.....	985,782	489,250	496,532	291,803	313,340	149,303	150,071
Middle Atlantic.....	16,311,742	8,189,533	8,122,209	5,204,895	5,423,528	3,217,491	3,279,158
New York.....	8,142,851	4,078,840	4,064,511	2,366,659	2,480,405	1,284,253	1,306,156
New Jersey.....	2,512,112	1,261,298	1,250,814	773,699	807,451	442,163	450,191
Pennsylvania.....	5,650,779	2,849,895	2,806,884	2,064,557	2,135,670	1,491,075	1,522,811
East North Central.....	15,685,265	8,057,827	7,627,438	6,013,332	5,948,338	4,032,748	3,899,207
Ohio.....	4,132,251	2,095,788	2,036,463	1,651,202	1,667,026	1,261,525	1,247,068
Indiana.....	2,003,019	1,016,313	986,706	898,602	894,572	769,727	760,552
Illinois.....	4,841,708	2,469,993	2,371,775	1,707,070	1,723,009	1,038,559	1,014,262
Michigan.....	2,939,409	1,558,021	1,381,388	1,055,413	983,707	648,349	581,925
Wisconsin.....	1,768,818	917,712	851,106	701,045	680,024	314,588	295,400
West North Central.....	8,000,433	4,104,361	3,896,072	3,386,937	3,515,275	2,229,208	2,161,565
Minnesota.....	1,537,983	797,960	740,023	577,121	588,332	227,425	215,765
Iowa.....	1,506,129	765,863	740,266	668,246	662,364	443,975	435,426
Missouri.....	2,269,657	1,137,603	1,132,154	980,255	991,121	602,602	797,097
North Dakota.....	358,657	196,028	162,154	134,594	116,807	47,998	40,420
South Dakota.....	335,808	207,413	178,395	164,395	145,621	58,978	73,135
Nebraska.....	812,450	419,139	393,311	349,159	336,300	216,777	207,300
Kansas.....	1,130,224	580,455	549,769	513,197	494,730	406,448	392,422
South Atlantic.....	8,415,339	4,183,598	4,231,771	2,941,038	2,964,433	2,758,634	2,768,881
Delaware.....	148,792	76,058	72,734	56,450	56,235	48,222	47,452
Maryland.....	996,928	500,549	496,379	366,686	374,822	300,548	302,520
District of Columbia.....	341,465	160,809	180,656	103,713	120,223	84,181	96,690
Virginia.....	1,300,893	650,357	650,536	474,388	473,819	456,862	457,435
West Virginia.....	900,987	471,779	429,208	402,416	382,477	381,014	361,021
North Carolina.....	1,542,125	758,445	783,680	549,843	558,366	544,681	552,915
South Carolina.....	819,384	395,234	424,150	232,780	237,315	228,570	232,943
Georgia.....	1,498,567	731,490	767,077	474,735	482,159	464,741	471,645
Florida.....	866,198	438,847	427,351	280,017	279,027	249,815	245,960
East South Central.....	5,220,526	2,602,304	2,618,222	1,884,478	1,876,167	1,814,288	1,797,376
Kentucky.....	1,422,434	718,286	704,143	635,197	625,417	597,498	581,238
Tennessee.....	1,418,144	701,194	715,950	562,170	571,321	548,620	556,542
Alabama.....	1,348,401	666,742	681,659	427,670	425,358	415,719	412,684
Mississippi.....	1,031,547	516,082	515,465	259,441	254,071	252,451	247,012
West South Central.....	6,611,094	3,391,930	3,219,164	2,487,846	2,358,497	2,278,927	2,149,992
Arkansas.....	968,231	494,949	473,282	340,862	340,696	346,077	328,216
Louisiana.....	1,134,852	566,908	567,944	341,731	340,854	306,530	299,897
Oklahoma.....	1,287,131	673,398	613,733	586,584	535,781	546,316	499,358
Texas.....	3,220,880	1,656,075	1,564,205	1,199,389	1,136,166	1,080,004	1,021,821
Mountain.....	2,108,221	1,142,751	965,470	866,977	769,230	628,341	548,309
Montana.....	138,611	181,494	137,117	131,757	106,511	80,613	62,638
Idaho.....	246,770	136,212	110,558	115,088	98,072	83,006	70,667
Wyoming.....	132,654	77,205	55,749	60,648	46,890	45,284	33,901
Colorado.....	623,523	323,224	300,299	255,941	248,348	191,146	182,227
New Mexico.....	216,956	115,667	101,289	88,476	79,217	81,708	72,707
Arizona.....	244,115	134,401	109,714	79,927	66,763	66,128	54,440
Utah.....	264,498	136,960	127,538	110,074	105,789	63,541	60,242
Nevada.....	60,794	37,588	23,206	25,066	17,640	16,915	11,487
Pacific.....	5,495,930	2,902,869	2,592,941	2,038,484	1,980,351	1,416,096	1,384,661
Washington.....	1,010,167	545,410	464,757	394,969	362,415	264,735	236,099
Oregon.....	621,375	331,805	289,570	265,741	246,006	196,171	177,399
California.....	3,864,388	2,025,774	1,838,614	1,375,774	1,371,930	955,130	921,228

Source Bureau of the Census, Department of Commerce.

SEX, AND MALES 18 TO 44 YEARS OF AGE: BY STATES, 1930

Persons 21 years of age and over—(Continued)								Males 18 to 44 years of age	Division and State
Native white—(Con		Foreign-born white		Negro		All other			
Foreign or mixed parentage		Male	Female	Male	Female	Male	Female		
Male	Female								
7,160,643	7,484,982	6,797,494	5,840,149	3,235,441	3,296,498	605,242	406,409	25,839,207	U. S.
714,344	792,564	851,225	870,489	29,595	29,175	4,061	972	1,622,346	N. E.
44,155	45,067	45,712	45,179	391	322	373	258	145,948	Me.
35,095	37,576	38,457	38,512	409	157	75	23	86,164	N. H.
23,309	23,493	19,906	17,481	197	122	40	11	68,317	Vt.
402,964	453,492	481,255	513,156	16,406	16,492	2,664	474	851,432	Mass.
66,321	76,267	78,324	82,124	2,937	3,015	288	118	136,298	R. I.
142,500	166,669	187,571	174,037	9,255	9,067	621	88	334,187	Conn.
1,987,394	2,144,368	2,612,347	2,347,969	350,152	346,165	22,149	4,549	5,779,072	M. A.
1,082,406	1,174,249	1,556,419	1,433,682	140,078	146,988	15,184	3,436	2,894,157	N. Y.
331,506	357,260	419,593	376,929	65,750	66,146	2,286	288	898,090	N. J.
573,482	612,859	636,335	537,358	144,324	133,031	4,679	825	1,986,825	Pa.
1,880,584	2,049,131	1,679,021	1,868,856	325,519	295,717	39,955	14,527	5,527,666	E. N. C.
389,677	419,958	335,484	275,065	105,736	93,555	3,366	817	1,414,197	Ohio.
128,875	134,020	73,845	55,189	38,250	35,392	5,616	1,553	656,223	Ind.
668,511	708,747	630,727	531,973	115,261	111,431	16,935	5,362	1,722,268	Ill.
407,064	401,782	430,934	341,492	62,139	52,207	9,535	3,982	1,116,699	Mich.
386,457	384,624	208,031	165,137	4,133	3,132	4,503	2,813	618,279	Wis.
1,157,734	1,153,710	577,050	454,477	113,497	108,278	26,877	18,042	2,719,748	W. N. C.
349,696	352,567	212,991	165,459	3,690	3,115	4,158	3,117	533,059	Minn.
224,271	226,938	90,027	71,685	6,010	5,320	1,580	897	491,185	Iowa.
177,653	194,024	78,726	65,350	75,937	74,520	2,585	1,163	742,496	Mo.
86,566	76,387	58,925	43,383	177	101	2,362	1,863	139,758	N. Dak.
80,417	72,486	36,886	27,288	239	181	5,893	5,305	145,191	S. Dak.
132,382	129,000	61,942	50,502	4,967	4,554	3,071	1,955	286,346	Nebr.
106,749	102,308	37,553	30,810	22,477	20,487	7,228	3,742	381,713	Kans.
182,394	195,602	162,775	126,484	1,073,366	1,136,675	6,399	4,129	3,085,876	S. A.
8,228	8,783	8,874	7,223	10,669	9,270	65	6	50,729	Del.
66,138	72,042	48,319	42,559	84,881	78,583	663	75	350,637	Md.
19,532	23,533	14,970	13,525	41,584	46,804	542	104	113,076	D. C.
17,526	16,384	13,137	9,608	162,285	166,935	547	174	467,068	Va.
21,402	21,456	31,425	17,263	37,731	29,424	207	44	346,086	W. Va.
5,162	5,451	4,833	3,457	200,355	218,620	3,414	3,237	587,065	N. C.
4,210	4,372	2,996	2,026	159,190	184,598	268	211	309,681	S. C.
9,994	10,514	7,859	5,465	248,683	279,404	213	49	552,234	Ga.
30,202	33,067	30,362	25,058	127,988	123,037	480	229	308,700	Fla.
70,190	78,791	32,297	23,280	684,048	718,007	1,481	768	1,876,659	E. S. C.
37,699	44,179	11,977	9,219	71,020	69,483	92	29	497,096	Ky.
13,550	14,779	7,116	5,380	131,776	140,198	132	51	504,707	Tenn.
11,951	12,774	8,999	6,136	229,903	250,047	170	118	491,668	Ala.
6,990	7,059	4,205	2,545	251,349	258,279	1,087	570	388,288	Miss.
208,919	204,205	94,543	70,087	614,877	621,096	194,664	174,481	2,546,615	W. S. C.
13,785	12,480	5,900	4,051	128,795	128,335	392	200	356,330	Ark.
35,201	40,957	19,819	13,952	203,259	211,788	2,099	1,350	432,006	La.
40,548	36,423	15,178	10,852	48,364	45,798	22,992	21,302	500,673	Okla.
119,385	114,345	53,646	41,232	234,459	235,178	169,181	151,629	1,257,606	Tex.
238,636	220,921	164,172	112,222	11,886	9,545	99,716	74,473	790,317	Mt.
51,144	43,873	43,218	26,438	559	5,960	3,766	118,622	118,622	Mont.
32,082	27,405	18,283	10,901	310	2,028	1,377	91,213	91,213	Idaho.
15,364	12,989	12,028	6,817	560	4,02	3,969	1,640	56,445	Wyo.
64,795	66,121	46,667	36,093	4,189	4,381	16,427	11,477	213,703	Colo.
6,768	6,510	4,641	2,898	981	787	21,569	18,387	85,233	N. Mex.
13,799	12,323	8,984	5,811	4,591	2,816	40,899	34,324	99,788	Ariz.
46,533	45,547	21,973	19,743	454	352	4,459	1,654	101,730	Utah
8,151	6,153	8,378	3,521	242	197	3,902	1,818	23,583	Nev.
620,448	645,690	624,064	466,285	32,501	31,837	208,940	114,468	1,890,908	Pac.
130,234	126,376	134,568	93,695	2,895	2,166	12,978	6,481	345,137	Wash.
69,570	68,607	59,004	40,260	978	739	6,082	2,665	206,921	Oreg.
420,644	460,707	430,492	332,330	28,628	28,932	190,880	105,422	1,338,850	Calif.

No. 28.—AGE DISTRIBUTION OF

Note.—For totals for all ages see Table 6. For age distri

	Division and State	Under 5 years	5 to 9 years	10 to 14 years	15 to 19 years	20 to 24 years	25 to 29 years	30 to 34 years	35 to 39 years
1	Continental U. S.....	11,444,390	12,607,809	12,004,877	11,552,115	10,870,378	9,833,608	9,120,421	9,208,645
2	New England.....	689,782	788,842	761,595	715,562	657,383	605,870	601,804	626,888
3	Maine.....	75,037	79,727	74,061	68,683	60,575	53,110	52,613	52,853
4	New Hampshire.....	39,350	43,543	42,028	38,822	34,867	31,562	31,759	32,472
5	Vermont.....	33,232	34,765	33,713	31,371	27,829	24,590	23,415	23,782
6	Massachusetts.....	349,640	390,657	387,003	366,149	345,573	324,135	321,499	335,441
7	Rhode Island.....	59,624	67,620	64,744	62,414	56,677	51,690	51,374	52,099
8	Connecticut.....	132,899	152,530	160,046	148,123	131,862	120,783	121,144	129,721
9	Middle Atlantic.....	2,214,805	2,470,204	2,447,292	2,354,216	2,303,339	2,187,974	2,115,881	2,133,190
10	New York.....	989,294	1,084,839	1,078,186	1,071,313	1,139,029	1,122,879	1,081,129	1,072,385
11	New Jersey.....	329,668	380,918	384,342	364,396	350,402	332,810	331,332	338,222
12	Pennsylvania.....	895,843	1,004,447	984,764	918,507	813,908	732,285	703,420	722,583
13	East North Central.....	2,203,821	2,414,163	2,334,961	2,227,213	2,167,732	2,063,777	1,969,728	2,011,235
14	Ohio.....	573,164	639,272	612,788	578,133	564,253	523,558	505,940	523,088
15	Indiana.....	285,080	314,917	297,058	284,714	266,101	245,772	232,580	234,981
16	Illinois.....	615,826	681,782	683,189	676,053	675,072	653,150	621,798	638,994
17	Michigan.....	463,441	486,970	455,469	416,886	418,202	415,964	391,854	396,392
18	Wisconsin.....	271,360	291,222	286,477	271,427	244,104	225,333	217,286	217,780
19	West North Central.....	1,205,621	1,326,761	1,287,317	1,241,668	1,133,913	1,005,618	954,553	985,954
20	Minnesota.....	231,001	256,751	253,788	239,946	214,432	193,469	189,705	192,934
21	Iowa.....	220,277	242,963	235,820	223,542	201,167	180,357	174,929	177,861
22	Missouri.....	305,862	339,137	325,058	326,555	313,650	287,176	267,002	271,688
23	North Dakota.....	75,726	78,119	79,886	75,343	61,853	48,988	43,341	42,931
24	South Dakota.....	71,324	77,961	75,392	69,609	59,584	50,745	48,122	48,278
25	Nebraska.....	130,337	141,487	136,339	132,100	120,788	104,370	99,601	99,811
26	Kansas.....	171,094	190,343	181,034	174,573	162,439	140,513	131,853	132,451
27	South Atlantic.....	1,714,903	1,906,741	1,757,877	1,679,410	1,482,586	1,217,758	1,050,257	1,047,428
28	Delaware.....	19,283	22,321	22,614	21,173	20,122	18,241	17,857	18,221
29	Maryland.....	144,629	162,656	152,613	145,804	145,846	132,248	124,358	124,305
30	Dist. of Col.....	32,304	35,624	32,712	35,806	48,367	48,120	45,095	43,587
31	Virginia.....	257,138	291,875	269,628	255,757	217,603	176,938	156,596	158,211
32	West Virginia.....	207,087	220,366	193,265	175,834	153,487	130,593	116,803	112,145
33	North Carolina.....	391,150	427,112	382,298	360,640	304,847	239,921	197,171	188,488
34	South Carolina.....	205,076	240,750	222,808	211,345	166,354	120,468	98,859	104,760
35	Georgia.....	316,040	353,910	338,800	334,836	288,126	222,930	183,399	186,959
36	Florida.....	141,832	152,127	142,881	138,215	137,814	128,299	110,119	110,752
37	East South Central.....	1,122,861	1,203,971	1,092,200	1,051,163	929,003	759,930	635,006	631,872
38	Kentucky.....	202,866	316,231	280,238	258,156	221,661	189,040	171,188	169,932
39	Tennessee.....	281,818	306,629	280,178	276,437	248,619	203,213	172,774	171,956
40	Alabama.....	313,882	331,713	303,440	294,168	259,361	208,954	164,833	163,991
41	Mississippi.....	234,295	249,398	228,344	222,402	199,362	158,723	126,211	125,993
42	West South Central.....	1,314,952	1,425,421	1,296,077	1,280,160	1,192,732	1,083,872	894,409	837,621
43	Arkansas.....	208,709	225,828	211,013	202,734	175,308	141,472	116,776	119,092
44	Louisiana.....	230,538	248,187	227,631	217,602	206,496	178,953	148,247	146,687
45	Oklahoma.....	264,537	285,846	258,030	252,755	230,891	197,256	168,737	160,672
46	Texas.....	611,168	665,560	599,403	607,069	580,037	506,241	430,649	411,170
47	Mountain.....	383,566	408,579	382,579	352,747	320,176	280,076	259,569	268,505
48	Montana.....	49,263	53,992	50,396	50,135	43,753	38,195	35,476	40,559
49	Idaho.....	45,814	50,070	49,840	44,565	37,458	31,028	29,059	30,111
50	Wyoming.....	22,405	24,097	21,750	20,162	20,445	18,459	18,130	18,808
51	Colorado.....	95,670	104,780	98,940	95,132	86,913	77,310	74,191	77,337
52	New Mexico.....	53,853	55,094	46,346	43,135	37,797	32,332	27,984	28,517
53	Arizona.....	50,087	50,457	42,861	39,981	40,453	37,633	33,450	32,939
54	Utah.....	59,261	62,239	59,384	52,762	46,072	37,333	33,967	32,472
55	Nevada.....	7,123	7,850	7,062	6,875	7,285	7,756	7,312	7,762
56	Pacific.....	589,079	682,827	645,179	649,976	683,514	688,733	669,214	686,472
57	Washington.....	114,854	136,013	138,393	137,922	130,401	120,651	115,448	122,833
58	Oregon.....	68,858	81,620	82,660	83,370	77,986	72,053	71,102	75,019
59	California.....	405,397	465,394	424,126	428,684	475,127	496,029	482,664	488,620

Source. Bureau of the Census, Department of Commerce.

THE POPULATION, BY STATES, 1930

buition of urban and rural population see Table 19, p. 19.

40 to 44 years	45 to 49 years	50 to 54 years	55 to 59 years	60 to 64 years	65 to 69 years	70 to 74 years	75 to 79 years	80 to 84 years	85 years and over	Un- known	
7,990,195	7,042,279	5,975,804	4,645,677	3,751,221	2,770,605	1,950,004	1,108,390	534,676	272,130	94,022	1
556,446	501,059	443,176	372,375	311,630	229,017	159,133	91,652	45,417	24,071	5,159	2
48,339	46,757	43,589	38,941	33,537	26,543	20,071	12,554	6,407	3,435	591	3
29,681	28,113	26,076	24,068	20,548	15,846	12,506	7,428	3,735	2,045	244	4
21,794	21,040	20,093	17,626	14,990	11,498	9,318	5,830	2,978	1,629	118	5
296,004	265,410	234,252	197,278	159,330	117,605	78,842	44,273	21,897	11,578	3,048	6
46,568	42,181	37,062	30,286	24,934	17,398	11,621	6,441	3,018	1,475	275	7
114,060	97,558	81,504	64,176	58,241	40,127	26,775	15,126	7,382	3,909	937	8
1,851,303	1,587,001	1,334,184	1,035,773	830,598	600,469	403,506	220,204	102,584	49,883	18,344	9
924,958	780,561	655,197	504,264	406,041	293,447	195,668	105,162	48,944	24,064	10,566	10
291,871	246,388	205,431	157,128	124,676	88,449	58,951	31,432	14,797	7,414	2,704	11
634,474	559,952	473,553	374,381	299,881	218,573	148,887	83,610	38,803	18,405	5,074	12
1,757,937	1,515,615	1,262,141	1,004,593	826,273	634,007	448,113	253,427	120,764	59,335	17,350	13
458,317	406,046	344,777	275,190	224,168	170,465	123,143	71,313	33,727	16,188	3,187	14
213,101	194,779	170,038	143,306	120,800	94,361	69,147	40,664	19,497	9,118	2,269	15
557,637	470,373	383,102	298,912	246,310	183,196	123,566	66,215	31,751	16,345	7,383	16
334,001	275,659	221,237	171,220	137,264	106,088	75,079	43,067	20,731	9,956	2,775	17
194,881	168,758	142,987	115,065	97,731	79,947	57,178	32,148	15,058	7,728	1,686	18
887,038	789,649	661,664	543,720	451,101	353,721	257,853	149,457	75,211	38,859	7,237	19
172,980	147,143	122,171	100,813	81,372	69,079	48,255	26,628	12,693	6,824	988	20
157,635	144,603	126,365	107,596	92,343	72,943	54,233	32,088	16,305	8,670	1,242	21
242,556	220,334	193,097	158,408	131,730	99,311	71,878	41,648	21,064	10,624	2,789	22
39,569	35,633	29,235	22,425	17,123	13,019	9,112	4,926	2,186	1,037	393	23
44,205	37,499	30,289	23,648	18,902	15,211	11,058	6,294	2,949	1,403	376	24
80,856	76,815	64,691	52,041	42,783	34,431	25,625	14,834	7,583	3,821	760	25
120,437	107,622	95,816	78,789	63,848	49,727	37,791	23,039	12,431	6,480	719	26
873,082	783,598	690,506	498,869	393,400	278,066	201,837	116,562	57,216	30,258	13,435	27
15,969	14,160	13,001	10,024	8,578	6,844	4,887	2,893	1,338	716	138	28
107,367	94,879	82,466	64,676	52,901	39,292	27,419	15,430	7,353	3,478	3,806	29
36,326	32,574	28,732	21,609	16,958	11,712	7,694	4,315	2,265	1,267	1,782	30
136,024	125,667	110,423	82,933	65,198	45,935	34,815	20,321	10,212	5,395	1,184	31
94,645	85,398	70,728	53,548	41,530	29,675	21,197	12,868	6,147	3,156	733	32
153,231	137,981	120,365	85,539	63,743	46,085	34,883	20,076	9,820	5,157	2,119	33
86,589	78,138	65,371	44,318	36,173	23,396	16,845	9,437	4,670	2,616	592	34
151,156	133,154	131,455	84,633	67,562	45,142	33,738	19,505	9,564	5,329	1,844	35
91,775	81,647	67,965	51,589	40,757	29,785	20,709	11,717	5,847	3,144	1,237	36
522,777	493,867	435,618	316,979	247,028	175,781	128,018	75,745	37,924	20,382	7,091	37
146,945	133,430	119,940	95,182	76,270	57,870	41,769	24,518	11,881	6,084	1,388	38
141,554	128,582	124,300	89,615	68,211	48,473	34,889	20,416	10,160	5,102	3,625	39
130,871	138,403	106,459	73,716	55,948	39,246	29,184	17,243	8,608	4,899	1,269	40
103,407	93,452	84,919	58,406	46,597	30,187	22,176	13,568	7,215	4,297	809	41
685,825	613,304	499,120	372,852	282,875	192,729	141,073	83,978	40,862	22,155	6,813	42
98,025	96,405	79,352	59,439	44,001	32,986	22,381	13,255	6,448	3,530	778	43
118,615	107,576	85,585	62,463	46,358	30,924	21,400	13,029	6,382	4,115	805	44
133,077	114,124	99,006	76,782	56,400	39,676	28,582	16,648	7,983	3,999	1,039	45
336,108	295,199	235,177	174,168	136,116	92,143	68,710	41,046	20,049	10,511	4,191	46
242,207	210,696	172,397	132,098	106,566	78,430	52,665	28,643	13,122	6,718	2,432	47
42,127	35,634	27,834	20,625	16,580	12,323	7,911	3,931	1,688	847	337	48
28,413	25,230	21,243	16,419	13,258	9,730	6,629	3,484	1,668	799	214	49
16,281	13,013	10,243	7,358	5,409	3,988	2,592	1,336	565	226	178	50
69,330	62,302	53,363	42,608	35,427	26,883	18,190	10,011	4,534	2,169	701	51
22,890	19,703	15,691	12,693	10,250	7,274	4,664	2,750	1,314	823	204	52
27,053	23,295	18,113	13,037	9,921	6,650	4,473	2,613	1,259	773	525	53
28,713	24,693	20,262	15,230	12,571	9,503	6,846	3,756	1,702	858	223	54
7,400	6,823	5,648	4,128	3,170	2,079	1,360	762	392	221	50	55
633,580	567,490	476,998	368,418	301,732	228,385	157,808	86,722	41,576	20,471	16,161	56
115,150	108,280	90,223	69,260	57,530	44,440	30,075	16,110	7,329	3,549	1,980	57
71,976	65,663	55,296	43,869	36,640	28,199	20,167	11,139	5,366	2,461	442	58
443,499	393,547	331,479	255,289	207,562	155,746	107,864	59,473	28,881	14,461	13,739	59

No. 29.—PER CENT DISTRIBUTION BY AGE, BY STATES: 1930

NOTE.—Percentages are based on figures in Table 28

Division and State	Per cent in age group															
	Under 5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 and over
Continental United States.....	9.3	10.3	9.8	9.4	8.9	8.0	7.4	7.5	6.5	5.7	4.9	3.8	3.1	2.3	1.6	1.6
New England.....	8.4	9.4	9.3	8.8	8.0	7.4	7.4	7.7	6.8	6.1	5.4	4.6	3.8	2.8	1.9	2.0
Maine.....	9.4	10.0	9.3	8.6	7.6	6.7	6.6	6.6	6.1	5.9	5.5	4.9	4.2	3.3	2.5	2.5
New Hampshire.....	8.5	9.4	9.0	8.3	7.5	6.8	6.8	7.0	6.4	6.0	5.7	5.2	4.4	3.4	2.7	2.8
Vermont.....	9.2	9.7	9.4	8.7	7.7	6.8	6.5	6.6	6.1	5.9	5.6	4.9	4.2	3.2	2.6	2.9
Massachusetts.....	8.2	9.2	9.1	8.6	8.1	7.6	7.0	7.9	7.0	6.2	5.5	4.6	3.7	2.8	1.9	1.8
Rhode Island.....	8.7	9.8	9.4	9.1	8.2	7.5	7.5	7.6	6.8	6.1	5.4	4.4	3.6	2.5	1.7	1.6
Connecticut.....	8.3	9.5	10.0	9.2	8.2	7.5	7.5	8.1	7.1	6.1	5.1	4.0	3.6	2.5	1.7	1.6
Middle Atlantic.....	8.4	9.4	9.3	9.0	8.8	8.3	8.1	8.1	7.0	6.0	5.1	3.9	3.2	2.3	1.5	1.4
New York.....	7.0	8.6	8.6	8.5	9.0	8.9	8.6	8.5	7.3	6.2	5.2	4.0	3.2	2.3	1.6	1.4
New Jersey.....	8.2	9.4	9.5	9.0	8.7	8.2	8.2	8.4	7.2	6.1	5.1	3.9	3.1	2.2	1.5	1.3
Pennsylvania.....	9.3	10.4	10.2	9.5	8.7	7.6	7.3	7.5	6.6	5.8	4.9	3.9	3.1	2.3	1.5	1.5
E. North Central.....	8.7	9.5	9.2	8.8	8.6	8.2	7.8	8.0	6.9	6.0	5.0	4.0	3.3	2.5	1.8	1.7
Ohio.....	8.6	9.6	9.2	8.7	8.5	7.9	7.6	7.9	6.9	6.1	3.7	4.1	3.4	2.6	1.9	1.8
Indiana.....	8.8	9.7	9.2	8.8	8.2	7.6	7.2	7.3	6.6	6.0	5.3	4.4	3.7	2.9	2.1	2.1
Illinois.....	8.1	8.9	9.0	8.9	8.8	8.6	8.1	8.4	7.3	6.2	5.0	3.9	3.2	2.4	1.6	1.5
Michigan.....	9.6	10.1	9.4	8.6	8.6	8.6	8.1	8.2	6.9	5.7	4.6	3.5	2.8	2.2	1.6	1.5
Wisconsin.....	9.2	9.9	9.7	9.2	8.3	7.7	7.4	7.4	6.6	5.7	4.9	3.9	3.3	2.7	3.3	1.9
W North Central.....	9.1	10.0	9.7	9.3	8.5	7.6	7.2	7.3	6.5	5.8	5.0	4.1	3.4	2.7	1.9	2.0
Minnesota.....	9.1	10.0	9.9	9.4	8.4	7.5	7.4	7.5	6.7	5.7	4.8	3.9	3.3	2.7	1.9	1.8
Iowa.....	8.9	9.8	9.5	9.0	8.1	7.3	7.1	7.2	6.4	5.9	5.1	4.4	3.7	3.0	2.2	2.0
Missouri.....	8.4	9.3	9.0	9.0	8.6	7.9	7.4	7.5	6.7	5.1	4.3	3.6	3.0	2.2	1.9	1.8
North Dakota.....	11.1	11.5	11.7	11.1	9.1	7.2	6.6	6.3	5.8	5.2	4.4	3.4	2.7	2.2	1.6	1.5
South Dakota.....	10.3	11.3	10.9	10.0	8.6	7.3	6.9	7.0	6.4	5.4	4.4	3.4	2.7	2.2	1.6	1.5
Nebraska.....	9.5	10.3	9.9	9.6	8.8	7.6	7.2	7.2	6.5	5.6	4.7	3.8	3.1	2.5	1.9	1.9
Kansas.....	9.1	10.1	9.6	9.3	8.6	7.5	7.0	7.0	6.4	5.7	5.1	4.2	3.4	2.6	2.0	2.2
South Atlantic.....	10.9	12.1	11.1	10.6	9.4	7.7	6.6	6.6	5.5	5.0	4.4	3.2	2.5	1.8	1.3	1.3
Delaware.....	8.1	9.4	9.5	8.9	8.4	7.7	7.5	7.6	6.7	5.9	5.5	4.2	3.6	2.9	2.1	2.1
Maryland.....	8.9	10.0	9.4	8.9	8.9	8.1	7.6	7.6	6.6	5.8	5.1	4.0	3.2	2.4	1.7	1.6
Dist. of Col.....	6.6	7.3	6.7	7.4	9.9	9.9	9.3	5.1	7.5	6.7	5.9	4.4	3.5	2.4	1.6	1.6
Virginia.....	10.6	12.1	11.1	10.6	9.0	7.3	6.5	6.5	5.6	5.2	4.6	3.4	2.7	1.9	1.4	1.5
West Virginia.....	12.0	12.7	11.2	10.2	8.9	7.6	6.8	6.5	5.5	4.9	4.1	3.1	2.4	1.7	1.2	1.2
North Carolina.....	12.3	13.5	12.1	11.4	9.6	7.6	6.2	5.9	4.8	4.4	3.8	2.7	2.0	1.5	1.1	1.1
South Carolina.....	11.8	13.8	12.8	12.2	9.6	6.9	5.7	6.0	5.0	4.5	3.8	2.5	2.1	1.4	1.0	1.0
Georgia.....	10.9	12.2	11.7	11.5	9.9	7.7	6.3	6.4	5.2	4.6	4.5	2.9	2.3	1.6	1.2	1.2
Florida.....	9.7	10.4	9.7	9.4	9.4	8.7	7.5	7.5	6.3	5.6	4.6	3.5	2.8	2.0	1.4	1.4
E South Central.....	11.4	12.2	11.0	10.6	9.4	7.7	6.4	6.4	5.3	5.0	4.4	3.2	2.5	1.8	1.3	1.4
Kentucky.....	11.2	12.2	11.7	9.9	8.5	7.2	6.5	6.5	5.6	5.1	4.6	3.6	2.9	2.2	1.6	1.6
Tennessee.....	10.8	11.7	10.7	10.6	9.5	7.8	6.6	6.6	5.4	4.9	4.8	3.4	2.6	1.9	1.3	1.4
Alabama.....	11.9	12.5	11.5	11.1	9.8	7.9	6.2	6.2	4.9	5.2	4.0	2.8	2.1	1.5	1.1	1.2
Mississippi.....	11.7	12.4	11.4	11.1	9.9	7.9	6.3	6.3	5.1	4.6	4.2	2.9	2.3	1.5	1.1	1.2
W South Central.....	10.8	11.7	10.6	10.5	9.8	8.4	7.1	6.9	5.6	5.0	4.1	3.1	2.3	1.6	1.2	1.2
Arkansas.....	11.3	12.2	11.4	10.9	9.5	7.6	6.3	6.4	5.3	5.2	4.3	3.2	2.4	1.6	1.2	1.3
Louisiana.....	11.0	11.8	10.8	10.4	9.8	8.5	7.1	7.0	5.6	5.1	4.1	3.0	2.2	1.5	1.0	1.1
Oklahoma.....	11.0	11.9	10.8	10.5	9.6	8.2	7.0	6.7	5.6	4.8	4.1	3.2	2.4	1.6	1.2	1.2
Texas.....	10.5	11.4	10.3	10.4	10.0	8.7	7.4	7.1	5.8	5.1	4.0	3.0	2.3	1.6	1.2	1.2
Mountain.....	10.4	11.0	10.3	9.5	8.6	7.6	7.0	7.3	6.5	5.7	4.7	3.8	2.9	2.1	1.4	1.3
Montana.....	9.2	10.0	10.5	9.3	8.1	7.1	6.6	7.5	7.8	6.4	5.7	4.8	3.7	3.0	2.2	1.5
Idaho.....	10.3	11.3	11.2	10.0	8.6	7.0	6.5	6.8	6.4	5.7	4.8	3.7	3.4	2.4	1.8	1.8
Wyoming.....	10.0	10.7	9.6	8.9	9.1	8.2	8.0	8.3	7.2	5.8	4.5	3.3	2.4	1.8	1.5	1.9
Colorado.....	9.2	10.1	9.5	9.2	8.4	7.5	7.2	7.5	6.7	6.0	5.2	4.1	3.2	2.4	1.6	1.6
New Mexico.....	12.7	13.0	10.9	10.2	8.9	7.6	6.6	7.0	5.4	4.7	3.7	2.7	2.1	1.5	1.0	1.1
Arizona.....	11.5	11.6	9.8	9.2	9.3	8.6	7.7	7.6	6.2	5.3	4.2	3.0	2.3	1.5	1.0	1.1
Utah.....	11.7	12.3	11.7	10.4	9.1	7.4	6.7	6.4	5.7	4.9	4.0	3.0	2.5	1.9	1.3	1.2
Nevada.....	7.8	8.6	7.8	7.6	8.0	8.5	8.0	8.5	8.1	7.5	6.2	4.5	3.5	2.3	1.5	1.5
Pacific.....	7.2	8.3	7.9	7.9	8.3	8.4	8.2	8.4	7.7	6.9	5.8	4.5	3.7	2.8	1.9	1.8
Washington.....	7.3	8.7	8.9	8.8	8.3	7.7	7.4	7.9	7.6	6.9	5.8	4.4	3.7	2.8	1.9	1.7
Oregon.....	7.2	8.5	8.7	8.7	8.2	7.6	7.5	7.9	7.5	6.9	5.8	4.6	3.8	3.0	2.1	2.0
California.....	7.1	8.2	7.5	7.6	8.4	8.7	8.5	8.6	7.8	6.9	5.8	4.5	3.7	2.7	1.9	1.8

Source: Bureau of the Census, Department of Commerce.

NO. 30.—AGE DISTRIBUTION· TOTALS 1900 TO 1930, AND BY SEX, RACE, NATIVITY AND PARENTAGE, 1930, CONTINENTAL UNITED STATES

Age group	All classes ¹				1930				
	1900	1910	1920	1930	Native white		Foreign-born white	Negro	
					Native parentage	Foreign or mixed parentage			
NUMBER									
All ages.....	75,994,575	91,972,266	105,710,620	122,775,048	70,136,614	25,361,186	13,366,407	11,891,143	
Under 5 years.....	9,170,628	10,631,304	11,573,230	11,444,390	7,939,165	1,960,443	27,788	1,230,206	
Under 1 year.....	1,916,822	2,217,542	2,267,255	2,160,791	1,519,540	345,962	1,428	292,378	
5 to 9 years.....	8,874,123	9,760,632	11,398,075	12,607,609	8,321,038	2,513,415	121,691	1,368,381	
10 to 14 years.....	8,080,234	9,107,140	10,641,137	12,004,877	7,528,352	2,870,194	147,736	1,251,542	
15 to 19 years.....	7,556,089	9,063,603	9,430,556	11,552,115	6,932,503	2,854,451	324,630	1,250,528	
20 to 24 years.....	7,335,016	9,056,984	9,277,021	10,870,378	6,355,507	2,448,050	661,992	1,203,191	
25 to 29 years.....	6,529,441	8,180,003	9,086,491	9,833,608	5,509,780	2,042,910	1,021,006	1,071,787	
30 to 34 years.....	5,550,039	6,972,185	8,071,193	9,120,421	4,916,005	1,946,931	1,246,830	864,514	
35 to 39 years.....	4,904,781	6,396,100	7,775,281	9,208,045	4,675,975	1,875,978	1,631,667	890,900	
40 to 44 years.....	4,247,166	5,261,587	6,345,557	7,990,195	3,953,253	1,551,078	1,694,176	687,423	
45 to 49 years.....	3,454,612	4,469,137	5,763,620	7,042,279	3,454,299	1,303,476	1,565,214	630,065	
50 to 54 years.....	2,942,829	3,900,791	4,734,873	5,975,804	2,941,026	1,150,600	1,317,370	504,590	
55 to 59 years.....	2,211,172	2,786,951	3,549,124	4,645,677	2,300,842	963,652	1,028,613	304,397	
60 to 64 years.....	1,791,363	2,267,150	2,982,548	3,761,221	1,821,621	744,795	910,577	242,169	
65 to 69 years.....	1,302,926	1,679,503	2,068,475	2,770,605	1,346,942	535,581	712,314	156,177	
70 to 74 years.....	883,841	1,113,728	1,395,036	1,950,004	1,019,306	358,130	460,614	99,096	
75 to 79 years.....	519,857	667,302	856,500	1,106,390	612,330	157,752	269,780	58,711	
80 to 84 years.....	251,512	321,754	402,779	534,676	303,217	52,604	140,892	33,377	
85 to 89 years.....	88,600	122,818	156,539	205,469	115,450	16,389	56,575	14,948	
90 to 94 years.....	23,992	33,473	39,980	51,664	27,260	3,239	13,954	6,332	
95 to 99 years.....	6,266	7,391	9,579	11,033	4,723	544	2,714	2,611	
100 years and over.....	3,504	3,555	4,287	3,964	659	71	4,450	2,467	
Unknown.....	200,584	169,055	148,699	94,022	57,361	10,144	9,824	13,731	
PER CENT									
All ages.....	100 0	100 0	100 0	100 0	100 0	100 0	100 0	100 0	
Under 5 years.....	12 1	11 6	10 9	9 3	11 3	7 7	.2	10.3	
Under 1 year.....	2 5	2 4	2 1	1 8	2 2	1 4	(²)	2 0	
5 to 9 years.....	11 7	10 6	10 8	10 3	11 9	9 9	9	11.5	
10 to 14 years.....	10 6	9 9	10 1	9 8	10 7	11 3	1 1	10 5	
15 to 19 years.....	9 9	9 9	8 9	9 4	9 9	11 3	2 4	10 5	
20 to 24 years.....	9 7	9 8	8 8	8 9	9 1	9 7	5 0	10 1	
25 to 29 years.....	8 6	8 9	8 6	8 0	7 9	8 1	7 6	9 0	
30 to 34 years.....	7 3	7 6	7 6	7 4	7 0	7 7	9 3	7 3	
35 to 39 years.....	6 5	7 0	7 4	7 5	6 7	7 4	12 2	7 5	
40 to 44 years.....	5 6	5 7	6 0	6 5	5 6	6 1	12 7	5 8	
45 to 49 years.....	4 5	4 9	5 5	5 7	4 9	5 1	11 7	5 3	
50 to 54 years.....	3 9	4 2	4 5	4 9	4 2	4 5	9 9	4 2	
55 to 59 years.....	2 9	3 0	3 4	3 8	3 3	3 8	7 7	2 6	
60 to 64 years.....	2 4	2 5	2 8	3 1	2 6	2 9	6 8	2 0	
65 to 69 years.....	1 7	1 8	2 0	2 3	1 9	2 1	5 3	1 3	
70 to 74 years.....	1 2	1 2	1 3	1 6	1 5	1 4	3 4	.8	
75 to 79 years.....	.7	.7	.8	.9	.9	.6	2 0	.5	
80 to 84 years.....	.3	.3	.2	.4	.4	.2	1 1	.3	
85 years and over.....	.2	.2	.2	.2	.2	1	.6	.2	
Unknown.....	.3	.2	.1	.1	.1	(²)	.1	.1	
Age group	Number, 1930		Per cent		Age group	Number, 1930		Per cent	
	Male	Female	Male	Female		Male	Female	Male	Female
All ages.....	62,137,080	60,637,966	100 0	100 0	50 to 54 years.....	3,131,645	2,844,159	5 0	4 7
Under 5 years.....	5,806,174	5,638,216	9 3	9 3	55 to 59 years.....	2,425,962	2,219,685	3 9	3 7
Under 1 year.....	1,112,171	1,073,680	1 8	1 8	60 to 64 years.....	1,941,508	1,809,713	3 1	3 0
5 to 9 years.....	6,381,108	6,226,561	10 3	10 3	65 to 69 years.....	1,417,812	1,352,793	2 3	2 2
10 to 14 years.....	5,767,827	5,636,100	9 3	9 8	70 to 74 years.....	991,647	958,357	1 6	1 6
15 to 19 years.....	5,336,815	5,194,290	8 6	9 8	75 to 79 years.....	547,604	558,786	9	9
20 to 24 years.....	4,860,180	4,973,428	7 8	8 2	80 to 84 years.....	251,138	283,538	.4	.5
25 to 29 years.....	4,561,786	4,558,635	7 3	7 5	85 to 89 years.....	90,893	114,576	1	.2
30 to 34 years.....	4,679,860	4,528,785	7 5	7 5	90 to 94 years.....	20,431	31,233	(²)	.1
35 to 39 years.....	4,136,459	3,853,736	6 7	6 4	95 to 99 years.....	4,283	6,750	(²)	(²)
40 to 44 years.....	3,671,924	3,370,355	5 9	5 6	100 years and over.....	1,403	2,581	(²)	(²)
					Unknown.....	51,816	42,206	.1	.1

¹ Totals include races not shown separately for 1930.

² Less than one-tenth of 1 per cent.

Source: Bureau of the Census, Department of Commerce.

No. 31.—MEDIAN AGES BY COLOR, NATIVITY, AND SEX: CONTINENTAL UNITED STATES

Sex	All classes		Native white						Foreign-born white		Negro	
			Total		Native parentage		Foreign- or mixed parentage					
	1920	1930	1920	1930	1920	1930	1920	1930	1920	1930	1920	1930
Total.....	25 2	26 4	22 4	23 8	22 7	23 3	21 6	25 1	40 0	44 4	22 3	23 4
Male.....	25 8	26 7	22 4	23 7	22 8	23 4	21 4	24 7	40 1	44 6	22 8	23 7
Female.....	24 7	26 1	22 3	23 9	22 5	23 3	21 9	25 4	39 9	44 0	22 0	23 2

No. 32.—POPULATION OF ALASKA, HAWAII, AND PUERTO RICO: BY SEX, RACE, NATIVITY, AND AGE

NOTE.—Data represent actual enumerations. For estimated total population for intercensal years see Table 12, p. 10

	1910	1920	1930		1910	1920	1930
ALASKA				HAWAII—continued			
Total.....	64,356	55,036	59,278	Native.....	98,157	168,671	299,799
Male.....	45,857	34,539	35,764	Native parentage.....	47,347	79,242	161,708
Female.....	18,499	20,497	23,514	Foreign parentage.....	41,387	73,079	106,946
White.....	36,400	27,883	28,640	Mixed parentage.....	9,423	16,350	31,145
Indian.....	25,331	26,558	29,983	Foreign born.....	93,752	87,241	68,537
Chinese.....	1,209	56	26	Under 5 years.....	24,065	38,550	48,180
Japanese.....	913	312	278	Under 1 year.....	5,515	8,579	9,573
Negro.....	209	128	136	5 to 9 years.....	19,055	30,195	47,119
All other.....	294	99	215	10 to 14 years.....	13,537	22,060	38,042
Native.....	43,921	42,766	48,709	15 to 19 years.....	13,650	20,645	33,490
Foreign born.....	20,435	12,270	10,569	20 to 44 years.....	95,721	103,416	147,919
Native white.....	18,426	16,286	18,460	45 years and over.....	25,325	40,933	53,483
Native parentage.....	10,993	9,538	10,990	Age unknown.....	56	113	103
Foreign parentage.....	4,760	4,174	4,324	PUERTO RICO			
Mixed parentage.....	2,673	2,574	3,146	Total.....	1,118,012	1,299,809	1,543,913
Foreign-born white.....	17,974	11,597	10,180	Male.....	557,301	647,825	771,761
Under 5 years.....	5,363	5,069	6,356	Female.....	560,711	651,984	772,152
Under 1 year.....	1,108	1,152	1,339	White.....	732,555	948,709	1,146,719
5 to 9 years.....	4,026	5,599	6,078	Black.....	50,245	49,246	39,156
10 to 14 years.....	2,876	4,292	5,095	Mulatto.....	335,192	301,816	38
15 to 19 years.....	3,534	3,279	4,735	Other.....	20	38	38
20 to 44 years.....	35,970	22,676	21,036	Native.....	1,106,246	1,291,642	1,537,896
45 years and over.....	11,965	13,224	15,839	Foreign born.....	11,766	8,167	6,017
Age unknown.....	622	297	139	Native white.....	722,791	941,228	1,141,114
HAWAII				Native parentage.....	696,699	915,807	1,120,399
Total.....	191,909	255,912	368,336	Foreign parentage.....	4,254	3,898	3,252
Male.....	123,099	151,146	222,640	Mixed parentage.....	21,838	21,523	17,463
Female.....	68,810	104,766	145,696	Foreign-born white.....	9,704	7,481	5,605
Hawaiian.....	20,041	23,723	22,636	Under 5 years.....	185,189	200,255	226,468
Part-Hawaiian.....	12,506	18,027	28,224	Under 1 year.....	39,860	43,184	44,033
White.....	44,048	54,742	80,373	5 to 9 years.....	151,223	195,131	224,022
Chinese.....	21,674	23,507	27,179	10 to 14 years.....	143,751	168,054	199,337
Japanese.....	79,675	109,274	139,631	15 to 19 years.....	113,789	126,248	186,150
Filipino.....	2,361	21,031	63,052	20 to 44 years.....	389,775	441,128	508,729
Korean.....	4,533	4,950	6,461	45 years and over.....	134,231	168,696	198,985
Negro.....	695	348	563	Age unknown.....	54	297	222
Other races.....	376	310	217				

Source of Tables 31 and 32 Bureau of the Census, Department of Commerce.

No. 33.—ILLITERATE PERSONS 10 YEARS OF AGE AND OVER: CONTINENTAL UNITED STATES, 1920 AND 1930, AND BY GEOGRAPHIC DIVISIONS, 1930

NOTE.—For definition of urban population, see Table 7. Illiteracy in this and subsequent tables is defined as inability to write in any language, regardless of ability to read. Per cents represent proportion illiterate in the total number of persons of given class and age.

Division, sex, and age	All classes ¹		Native white, native parentage		Native white, foreign or mixed parentage		Foreign-born white		Negro	
	Number	Per cent	Number	Per cent	Number	Per cent	Number	Per cent	Number	Per cent
United States, 1920 ²	4, 931, 905	6 0	1, 109, 875	2 5	132, 697	0 8	1, 768, 740	13 1	1, 842, 161	22 9
10 to 20 years.....	598, 794	2 7	171, 564	1 3	30, 339	.6	56, 595	5 7	329, 174	13 0
21 years and over.....	4, 333, 111	7 1	938, 311	3 0	102, 358	.9	1, 707, 145	13 7	1, 512, 987	27 4
Urban, total.....	1, 955, 112	4 4	155, 493	.8	55, 620	.5	1, 327, 520	13 0	402, 170	13 4
Rural, total.....	2, 976, 793	7 7	854, 382	3 8	77, 077	1 4	436, 220	13 3	1, 439, 991	28 5
United States, 1930.....	4, 283, 753	4 3	986, 469	1 8	116, 665	.6	1, 304, 084	9 9	1, 513, 892	16 3
Males.....	2, 198, 293	4 4	577, 312	2 1	62, 736	.6	573, 977	8 1	801, 949	17 6
Females.....	2, 085, 460	4 3	409, 157	1 5	53, 929	.5	730, 107	11 9	711, 943	15 1
10 to 20 years.....	420, 538	1 6	131, 151	.8	17, 015	.3	7, 582	1 3	207, 242	7 5
21 years and over.....	3, 863, 215	5 3	855, 318	2 2	99, 650	.7	1, 296, 502	10 3	1, 306, 650	20 0
Urban, total.....	1, 800, 604	3 2	163, 227	.6	30, 369	4	1, 058, 845	10 0	395, 849	9 2
10 to 20 years.....	65, 863	.5	17, 056	.2	9, 661	.2	6, 325	1 3	22, 556	2 3
21 years and over.....	1, 734, 741	4 0	146, 171	.7	50, 708	.5	1, 052, 520	10 4	373, 293	11 2
Rural, total.....	2, 483, 149	6 0	823, 242	3 0	56, 296	1 0	245, 239	9 4	1, 118, 043	22 4
10 to 20 years.....	354, 675	2 8	114, 095	1 3	7, 354	.5	1, 257	1 5	184, 686	10 3
21 years and over.....	2, 128, 474	7 3	709, 147	3 8	48, 942	1 2	243, 982	9 6	933, 357	29 2
New England.....	245, 270	3 7	14, 080	.8	16, 049	.7	210, 046	11 6	4, 187	5 5
10 to 20 years.....	5, 460	.3	1, 934	.3	2, 415	.3	1, 000	1 1	83	.5
21 years and over.....	239, 810	4 7	12, 146	.7	13, 634	.9	209, 046	12 1	4, 104	7 0
Urban, total.....	198, 234	3 8	4, 903	.3	9, 998	5	179, 423	11 6	3, 899	4 7
Rural, total.....	47, 036	3 1	9, 177	1 1	6, 051	1 6	30, 623	11 5	1, 098	11 0
Middle Atlantic.....	757, 229	3 5	52, 050	.6	30, 693	.5	636, 479	12 2	32, 223	3 7
10 to 20 years.....	19, 062	.4	6, 564	.3	6, 715	.3	4, 307	1 8	1, 275	.7
21 years and over.....	738, 166	4 5	45, 486	.7	23, 978	.6	632, 172	12 7	30, 948	4 4
Urban, total.....	621, 913	3 7	23, 135	.4	21, 245	.4	546, 551	11 9	25, 644	3 3
Rural, total.....	135, 635	2 9	28, 915	1 0	9, 448	1 0	89, 928	15 0	6, 579	7 3
East North Central.....	442, 064	2 1	79, 697	.7	30, 587	.6	281, 845	8 8	36, 454	4 7
10 to 20 years.....	13, 607	.3	7, 424	.2	3, 305	.2	1, 837	1 0	779	.5
21 years and over.....	428, 457	2 7	72, 273	.9	27, 282	.7	280, 308	9 2	35, 675	5 7
Urban, total.....	315, 746	2 3	27, 727	.4	14, 882	.4	232, 547	8 8	30, 204	4 3
Rural, total.....	126, 318	1 9	51, 970	1 1	15, 705	1 1	49, 098	8 9	6, 250	9 3
West North Central.....	156, 089	1 4	53, 278	.8	15, 562	5	51, 982	4 9	21, 170	7 6
10 to 20 years.....	9, 771	.4	6, 211	.3	1, 572	.3	222	1 0	845	1 5
21 years and over.....	146, 297	1 8	47, 065	1 1	13, 990	.6	51, 760	5 0	20, 325	9 2
Urban, total.....	63, 093	1 4	12, 354	.5	5, 182	.4	28, 156	5 6	12, 936	5 9
Rural, total.....	92, 975	1 5	40, 922	1 1	10, 380	.6	23, 826	4 3	8, 234	14 1
South Atlantic.....	1, 612, 523	8 3	310, 381	3 9	4, 202	.8	31, 928	10 4	662, 055	19 7
10 to 20 years.....	153, 182	4 1	41, 905	1 7	483	.3	180	1 5	109, 534	9 5
21 years and over.....	859, 341	10 2	268, 476	4 9	3, 719	1 0	31, 148	10 8	552, 521	25 0
Urban, total.....	220, 729	4 7	38, 590	1 4	2, 228	.6	21, 604	9 8	157, 017	13 2
Rural, total.....	791, 794	10 5	271, 791	5 3	1, 974	1 5	9, 724	12 1	504, 138	23 2
East South Central.....	727, 861	9 8	288, 052	5 1	2, 078	1 2	4, 238	7 4	452, 082	22 0
10 to 20 years.....	98, 970	4 2	38, 826	2 3	137	.5	18	1 1	59, 563	9 2
21 years and over.....	628, 891	12 0	229, 226	6 3	1, 941	1 3	4, 220	7 6	392, 519	28 0
Urban, total.....	121, 549	5 4	24, 955	1 7	746	.6	2, 721	6 6	93, 619	14 8
Rural, total.....	606, 312	11 5	243, 097	6 4	1, 332	2 8	1, 517	9 6	359, 063	25 2
West South Central.....	675, 791	7 2	173, 286	2 7	10, 181	2 0	15, 958	9 4	302, 280	17 0
10 to 20 years.....	101, 159	3 6	24, 052	1 2	1, 150	1 1	91	2 0	35, 062	6 5
21 years and over.....	574, 632	8 7	148, 234	3 3	9, 031	2 2	15, 867	9 6	267, 218	21 6
Urban, total.....	157, 892	4 4	23, 214	1 0	2, 929	1 1	7, 594	7 8	70, 728	11 4
Rural, total.....	517, 899	8 9	149, 072	3 7	7, 252	3 0	8, 364	11 6	231, 552	20 0
Mountain.....	120, 866	4 2	26, 730	1 5	2, 316	.4	15, 982	5 6	1, 070	4 1
10 to 20 years.....	13, 462	1 7	2, 702	.5	354	.2	93	1 0	51	1 1
21 years and over.....	107, 404	5 1	24, 028	2 0	1, 962	.4	15, 869	5 7	1, 019	4 8
Urban, total.....	22, 478	1 9	4, 611	.7	833	.3	6, 522	4 9	622	3 4
Rural, total.....	98, 388	5 7	22, 119	2 1	1, 483	.5	9, 440	6 2	448	5 8
Pacific.....	146, 082	2 1	9, 917	.3	4, 997	.3	56, 446	4 9	2, 371	3 1
10 to 20 years.....	5, 865	.4	1, 333	.2	884	.2	334	.6	50	.4
21 years and over.....	140, 217	2 6	8, 384	.3	4, 113	.3	56, 112	5 1	2, 321	3 6
Urban, total.....	79, 290	1 7	3, 738	.2	2, 326	.2	33, 727	4 1	1, 690	2 5
Rural, total.....	66, 792	3 1	6, 179	.5	2, 671	.6	22, 719	7 0	681	6 9

¹ Includes Indians, Chinese, Japanese, and other nonwhite not shown separately.

² Figures for native white of foreign or mixed parentage and for foreign-born white in 1920 include persons of the Mexican race who were given a separate classification in 1930.

Source: Bureau of the Census, Department of Commerce.

No. 34.—ILLITERATE PERSONS 10 YEARS OF AGE AND OVER AND 21 YEARS OF AGE AND OVER: By STATES, 1930

Division and State	Number of illiterate persons 10 years of age and over						Illiterate persons of voting age	
	All classes ¹			Native white	Foreign-born white	Negro	Male	Female
	Total	Male	Female					
Continental United States.	4, 283, 753	2, 198, 293	2, 085, 460	1, 103, 134	1, 304, 084	1, 513, 892	1, 942, 729	1, 920, 486
New England	245, 270	110, 237	135, 033	30, 129	210, 046	4, 187	107, 189	132, 621
Maine.....	17, 172	10, 294	6, 878	8, 617	8, 393	43	9, 580	6, 512
New Hampshire.....	10, 231	5, 341	4, 890	2, 366	7, 820	27	5, 156	4, 772
Vermont.....	6, 299	3, 805	2, 494	3, 261	3, 005	22	3, 635	2, 379
Massachusetts.....	124, 158	52, 936	71, 222	9, 652	111, 568	2, 303	51, 766	70, 158
Rhode Island.....	27, 536	12, 027	15, 509	2, 732	24, 124	635	11, 742	15, 247
Connecticut.....	59, 874	25, 834	34, 040	3, 501	55, 136	1, 157	25, 310	33, 553
Middle Atlantic	767, 228	337, 079	420, 149	82, 743	636, 479	32, 223	327, 351	410, 815
New York.....	389, 853	165, 262	223, 621	34, 654	341, 345	8, 604	160, 435	218, 745
New Jersey.....	128, 022	57, 651	70, 371	11, 572	107, 192	8, 711	56, 065	68, 867
Pennsylvania.....	240, 323	114, 166	126, 157	36, 517	187, 942	14, 908	110, 851	123, 203
East North Central	442, 064	223, 325	218, 739	110, 284	281, 645	38, 454	215, 661	212, 796
Ohio.....	123, 804	63, 489	60, 315	32, 387	74, 131	16, 213	61, 239	58, 493
Indiana.....	43, 721	24, 609	19, 112	22, 510	13, 536	5, 605	23, 605	18, 442
Illinois.....	153, 507	73, 953	79, 554	28, 284	108, 984	10, 044	71, 756	77, 748
Michigan.....	76, 800	38, 620	38, 180	14, 790	55, 034	4, 201	37, 340	37, 233
Wisconsin.....	44, 232	22, 654	21, 578	12, 313	29, 960	391	21, 721	20, 880
West North Central	156, 065	83, 165	72, 903	68, 838	51, 982	21, 170	77, 263	69, 084
Minnesota.....	26, 302	13, 185	13, 117	7, 244	16, 959	160	12, 428	12, 543
Iowa.....	15, 879	8, 624	7, 255	8, 177	5, 932	777	8, 008	6, 782
Missouri.....	87, 905	38, 163	29, 742	39, 252	11, 183	16, 532	35, 394	28, 181
North Dakota.....	7, 814	3, 850	3, 964	1, 763	4, 649	11	3, 456	3, 704
South Dakota.....	6, 763	3, 191	3, 572	1, 638	2, 422	12	2, 942	3, 374
Nebraska.....	12, 725	6, 124	6, 601	3, 762	6, 924	450	5, 709	6, 287
Kansas.....	18, 680	10, 023	8, 652	7, 001	4, 113	3, 228	9, 326	8, 163
South Atlantic	1, 012, 523	555, 456	457, 067	314, 583	31, 823	662, 055	455, 746	408, 593
Delaware.....	7, 805	4, 160	3, 645	1, 896	2, 392	3, 496	3, 984	3, 536
Maryland.....	49, 910	26, 987	22, 923	13, 202	11, 539	25, 073	25, 105	21, 807
Dist. of Columbia.....	6, 611	2, 827	3, 784	533	1, 411	4, 691	2, 715	2, 101
Virginia.....	162, 588	93, 066	68, 922	65, 482	1, 738	95, 148	78, 805	61, 645
West Virginia.....	62, 492	36, 791	25, 701	42, 476	9, 788	10, 173	33, 224	23, 629
North Carolina.....	236, 261	130, 482	105, 779	93, 372	450	139, 105	107, 944	94, 279
South Carolina.....	192, 878	99, 523	93, 355	36, 246	297	156, 065	74, 332	77, 080
Georgia.....	210, 736	115, 869	94, 867	46, 898	554	163, 237	91, 613	83, 459
Florida.....	83, 242	45, 151	38, 091	14, 478	3, 159	65, 167	37, 998	33, 545
East South Central	727, 861	405, 309	322, 552	270, 130	4, 238	452, 082	342, 070	286, 821
Kentucky.....	131, 545	77, 834	53, 711	101, 695	1, 267	28, 553	66, 858	48, 047
Tennessee.....	145, 460	84, 489	60, 971	87, 406	754	57, 251	71, 939	54, 985
Alabama.....	251, 095	133, 645	117, 450	60, 989	1, 335	185, 673	110, 565	108, 359
Mississippi.....	199, 761	109, 341	90, 420	20, 070	882	177, 605	92, 708	80, 430
West South Central	675, 791	350, 840	325, 451	182, 467	15, 958	302, 280	293, 650	280, 982
Arkansas.....	96, 818	53, 666	43, 152	35, 890	666	60, 102	45, 541	35, 656
Louisiana.....	219, 750	109, 745	110, 005	71, 903	6, 677	139, 393	93, 524	97, 725
Oklahoma.....	51, 102	30, 114	20, 988	27, 796	1, 479	12, 560	26, 141	18, 946
Texas.....	308, 121	156, 815	151, 306	46, 878	7, 136	90, 225	128, 444	125, 655
Mountain	120, 866	57, 857	63, 009	29, 046	15, 962	1, 070	51, 435	55, 989
Montana.....	7, 303	4, 042	3, 261	932	3, 085	52	3, 873	3, 116
Idaho.....	3, 743	2, 177	1, 566	1, 151	1, 198	25	2, 045	1, 475
Wyoming.....	2, 895	1, 674	1, 221	381	811	47	1, 541	1, 102
Colorado.....	23, 141	10, 716	12, 425	5, 807	7, 331	403	9, 962	11, 646
New Mexico.....	41, 845	18, 329	23, 516	18, 733	530	140	15, 739	20, 567
Arizona.....	33, 969	16, 309	17, 660	960	551	366	13, 994	14, 998
Utah.....	4, 640	2, 642	1, 998	952	1, 547	30	2, 890	1, 765
Nevada.....	3, 330	1, 968	1, 362	130	909	7	1, 891	1, 300
Pacific	146, 082	75, 525	70, 557	14, 914	56, 446	2, 371	72, 364	67, 853
Washington.....	13, 458	7, 043	6, 415	3, 031	7, 103	174	6, 527	6, 107
Oregon.....	7, 814	4, 423	3, 391	2, 043	3, 743	49	4, 170	3, 201
California.....	124, 810	64, 059	60, 751	9, 840	45, 600	2, 148	61, 667	58, 545

¹ The total includes 362,643 illiterate persons among the Mexicans, Indians, Chinese, Japanese, and other nonwhite population

Source. Bureau of the Census, Department of Commerce.

No. 35.—PERCENTAGE OF ILLITERACY: BY STATES

Division and State	Per cent illiterate among persons 10 years of age and over										Per cent illiterate among persons of voting age, 1930	
	All classes		Male	Female	Native white		Foreign-born white		Negro		Male	Female
	1920	1930	1930	1930	1920	1930	1920	1930	1920	1930		
Continental United States.....	6 0	4 3	4 4	4 3	2 0	1 5	13.1	9 9	22 9	16 3	5 2	5 4
New England.....	4 9	3 7	3 4	3 9	.7	.6	14.0	11 6	7 1	5 5	4 3	5 1
Maine.....	3 3	2 7	3 2	2 1	1.6	1 0	11 1	8 5	5 9	4 8	3 9	2 7
New Hampshire.....	4 4	2 7	2 8	2 5	.7	8	15 4	9 6	6 7	3 9	3 5	3 2
Vermont.....	3 0	2 2	2 6	1 7	1 5	1 3	11 3	7 2	6 2	4 9	3 2	2 2
Massachusetts.....	4 7	3 3	3 1	3 9	.4	4	12 8	10 7	6 8	5 4	4 0	5 0
Rhode Island.....	6 6	4 9	4 4	5 1	.7	7	16 5	14 3	10 2	8 1	5 8	7 0
Connecticut.....	6 2	4 5	3 9	5 1	.4	.4	17 0	14 6	6 2	4 9	5 2	6 8
Middle Atlantic.....	4 9	3 5	3 1	3 9	.6	.5	15.7	12.2	5 0	3 7	4 0	5 1
New York.....	5 1	3 7	3 1	4 3	.5	.5	14 2	10 8	2 9	2 5	3 9	5 4
New Jersey.....	5 1	3 8	3 5	4 2	.6	.5	15 3	12 9	6 1	5 1	4 4	5 5
Pennsylvania.....	4 6	3 1	2 9	3 3	.8	.6	18.0	15 4	6 1	4 2	3 9	4 4
East North Central.....	2 9	2 1	2 1	2 2	.9	.7	10.8	8 8	7 3	4 7	2 7	2 8
Ohio.....	2 8	2 3	2 3	2 2	.9	.7	12 6	11 6	8 1	6 4	2 9	2 9
Indiana.....	2 2	1 7	1 8	1 5	1.3	.9	11.8	10 1	9 5	6 0	2 3	1 9
Illinois.....	3 4	2 4	2 3	2 6	.8	.6	11.0	9 0	6 7	3 6	2 9	3 3
Michigan.....	3 0	2 0	1 9	2 1	.7	.5	9.9	6 7	4 2	3 0	2 4	2 7
Wisconsin.....	2 4	1 9	1 8	1 9	.7	.6	8 4	7 8	4 1	4 4	2 4	2 5
West North Central.....	2 0	1 4	1 5	1 4	.9	.7	8.4	4 9	10 5	7 6	1 9	1 8
Minnesota.....	1 8	1 3	1 2	1 3	.4	.4	5 4	4 3	3 1	2 0	1 6	1 7
Iowa.....	1 1	8	8	7	.5	.4	4 9	3 6	8 1	5 4	1 0	.9
Missouri.....	3 0	2 3	2 6	2 0	2.0	1 5	9.6	7 5	12 1	8 8	3 1	2 5
North Dakota.....	2 1	1 5	1 4	1 6	.4	.4	5 6	4 4	4 0	3 4	1 8	2 3
South Dakota.....	1 7	1 2	1 1	1 4	.4	.4	4 7	3 7	5 2	2 2	1 4	1 9
Nebraska.....	1 4	1 2	1 1	1 2	.4	.4	6 4	6 0	4 8	3 9	1 6	1 6
Kansas.....	1 6	1 2	1 3	1 2	.6	.5	10.5	5 9	8 8	5 9	1 4	1 5
South Atlantic.....	11.5	8 3	9 2	7 5	5.1	3.7	12.8	10 4	25.2	19 7	10.9	9 5
Delaware.....	5 9	4 0	4 2	3 8	1.8	1.2	17.3	14 3	19 1	13 2	5 2	4 9
Maryland.....	5 6	3 8	4 1	3 5	1.8	1.3	13 4	12 2	18 2	11 4	5 0	4 4
District of Columbia.....	2 8	1 6	1 4	1 7	.3	.2	6 1	4 8	8 6	4 1	1 7	2 1
Virginia.....	11.2	8 7	10 0	7 4	5.9	4.8	7 1	7 4	23 5	19 2	12 1	9 5
West Virginia.....	6 4	4 8	5 5	4 1	4.6	3 7	24 0	19 2	15 3	11 3	7 0	5 5
North Carolina.....	13 1	10 0	11 2	8 9	8.2	5 6	6 8	5 2	24 5	20 6	14 2	12 0
South Carolina.....	18 1	14 9	15 8	14 1	6 5	5 1	6 2	5 7	29 3	26 9	18 8	18 4
Georgia.....	15 3	9 4	10 6	8 3	5 4	3 3	5 4	4 0	29 1	19 9	12 5	10 9
Florida.....	9 6	7 1	7 7	6 5	2 9	1 9	6 3	5 4	21 5	18 8	8 7	7 8
East South Central.....	12.7	9 6	10 8	8 5	6 4	5 0	9 1	7 4	27 9	22 0	13 1	11 0
Kentucky.....	8 4	6 6	7 7	5 4	7 0	5 7	7 3	5 8	21 0	15 4	9 3	6 8
Tennessee.....	10 3	7 2	8 4	6 0	7 3	5 4	8 3	5 8	22 4	14 9	10 3	7 7
Alabama.....	16 1	12 6	13 5	11 6	6 3	4 8	10 9	8 5	31 3	26 2	16 6	15 2
Mississippi.....	17 2	13 1	14 4	11 8	3 6	2 7	13.3	12 0	29 3	23 2	18 0	15 6
West South Central.....	10.0	7 2	7 3	7 0	4 1	2 6	29 9	9 4	25 3	17 0	8 7	8 7
Arkansas.....	9 4	6 8	7 4	6 2	4 5	3 5	8 3	6 6	21 8	16 1	9 2	8 2
Louisiana.....	21.9	13 5	13 6	13 5	10 5	7 3	21 9	19 2	38 5	23 3	16 5	17 2
Oklahoma.....	3 8	2 8	3 2	2 4	2 3	1 7	14 0	5 6	12 4	9 3	3 9	3 1
Texas.....	8 3	6 8	6 8	6 8	3 0	1 4	33 8	7 3	17 8	13 4	7 8	8 0
Mountain.....	5 2	4 2	3 7	4 6	2 0	1 2	12 7	5 6	5 3	4 1	4 5	5 8
Montana.....	2 3	1 7	1 7	1 7	.3	.3	5 6	4 3	6 0	4 6	2 1	2 3
Idaho.....	1 5	1 1	1 2	1 0	.3	.4	6 5	4 0	5 4	4 2	1 5	1 3
Wyoming.....	2 1	1 6	1 7	1 6	.3	.3	9 0	4 2	5 3	4 2	2 0	2 0
Colorado.....	3 2	2 8	2 5	3 1	1 4	8	12 4	8 6	6 2	3 9	3 1	3 9
New Mexico.....	15 6	13 3	11 2	15 7	11 6	7 7	27 1	6 8	4 3	6 0	13 6	20 3
Arizona.....	15 3	10 1	9 0	11 4	2 1	5	27 5	3 6	4 6	4 0	10 4	13 7
Utah.....	1 9	1 2	1 3	1 1	.3	.3	6 3	3 6	4 6	3 2	1 7	1 4
Nevada.....	5 9	4 4	4 3	4 5	.4	.2	8 5	7 5	5 1	1 5	5 0	5 6
Pacific.....	2 7	2 1	2 1	2 1	.4	.3	8 6	4 9	4 6	3 1	2 5	2 6
Washington.....	1 7	1 0	1 0	1 0	.3	.3	4 7	2 9	4 0	2 9	1 2	1 3
Oregon.....	1 5	1 0	1 0	9	.4	.3	5 1	3 6	4 7	2 5	1 3	1 1
California.....	3 3	2 6	2 6	2 6	.4	.3	10.5	5 7	4 7	3 1	3 0	3 2

¹ A part of the decreases from 1920 to 1930 in the percentage illiterate in some States is doubtless due to the separate classification in 1930 of Mexicans who were included in 1920 with the white population

Source: Bureau of the Census, Department of Commerce.

No. 36.—MARITAL CONDITION OF PERSONS 15 YEARS

Division and State	Males 15 years of age and over								
	Number						Per cent of total		
	Total	Single	Married	Widowed	Divorced	Un-known	Single	Married	Widowed
Continental United States	43,881,021	14,953,712	26,327,109	2,025,033	489,478	85,686	34.1	60.0	4.6
New England	2,901,430	1,024,340	1,701,884	146,012	24,588	4,806	35.3	58.7	5.0
Maine.....	285,114	90,569	172,525	17,444	4,102	474	31.8	60.5	6.1
New Hampshire.....	168,465	54,469	100,586	10,680	2,545	185	32.3	59.7	6.3
Vermont.....	131,484	44,303	77,076	8,232	1,779	94	33.7	58.6	6.3
Massachusetts.....	1,601,904	545,566	870,510	72,410	10,610	2,808	36.3	58.0	4.8
Rhode Island.....	238,674	84,434	140,310	11,568	2,070	292	35.4	58.8	4.8
Connecticut.....	575,789	204,999	340,877	25,673	3,482	753	35.6	59.2	4.5
Middle Atlantic	9,580,982	3,413,672	5,673,131	421,004	50,541	22,634	35.6	59.2	4.4
New York.....	4,714,608	1,718,371	2,761,908	197,157	22,117	15,055	36.4	58.6	4.2
New Jersey.....	1,470,159	512,215	892,349	62,415	7,137	2,043	34.7	60.5	4.2
Pennsylvania.....	3,390,215	1,183,086	2,018,874	161,432	21,287	5,636	34.9	59.6	4.8
East North Central	9,378,073	3,100,897	5,701,796	435,523	128,309	13,608	33.1	60.3	4.6
Ohio.....	2,436,685	769,282	1,514,131	117,191	33,696	2,385	31.6	62.1	4.8
Indiana.....	1,185,534	351,910	750,584	62,775	18,076	1,889	29.7	63.3	5.3
Illinois.....	2,869,347	985,343	1,715,640	127,762	35,562	5,040	34.3	59.8	4.5
Michigan.....	1,896,530	601,745	1,095,563	78,849	28,161	2,212	33.3	60.6	4.4
Wisconsin.....	1,079,977	392,557	625,578	48,946	10,814	2,082	36.3	57.9	4.5
West North Central	4,844,547	1,673,552	2,876,764	227,960	58,184	8,067	34.5	59.4	4.7
Minnesota.....	939,795	367,844	520,870	41,981	8,135	965	39.1	55.4	4.5
Iowa.....	899,826	298,856	545,117	43,180	11,758	915	33.2	60.6	4.8
Missouri.....	1,330,551	415,233	825,917	68,248	18,442	2,711	31.2	62.1	5.1
North Dakota.....	241,350	104,297	125,670	9,269	1,611	503	43.2	52.1	3.8
South Dakota.....	249,409	97,168	138,870	10,447	2,314	610	39.0	55.7	4.2
Nebraska.....	498,502	172,548	297,725	21,694	5,645	890	34.6	59.7	4.4
Kansas.....	685,114	217,606	422,595	33,161	10,279	1,473	31.8	61.7	4.8
South Atlantic	5,167,443	1,757,614	3,129,689	233,004	36,338	10,798	34.0	60.6	4.5
Delaware.....	88,886	30,568	52,694	4,712	661	251	34.4	59.3	5.3
Maryland.....	588,895	205,202	348,063	28,854	4,869	1,907	34.8	59.1	4.9
District of Columbia.....	181,673	63,695	107,418	8,113	1,808	639	35.1	59.1	4.5
Virginia.....	802,623	284,780	473,870	35,948	5,801	2,224	35.5	59.0	4.5
West Virginia.....	575,638	195,006	352,122	22,899	5,183	428	33.9	61.2	4.0
North Carolina.....	968,308	336,359	589,236	37,605	3,815	1,293	34.7	60.9	3.9
South Carolina.....	516,766	180,416	312,653	21,918	1,418	361	34.9	60.5	4.2
Georgia.....	926,871	304,704	569,512	45,205	6,341	1,109	32.9	61.4	4.9
Florida.....	517,783	156,884	324,121	27,750	6,442	2,586	30.3	62.6	5.4
East South Central	3,214,755	1,005,370	2,016,400	156,157	31,127	5,701	31.3	62.7	4.9
Kentucky.....	870,198	270,339	546,342	43,573	9,005	939	31.1	62.8	5.0
Tennessee.....	864,634	270,671	541,796	41,673	8,269	2,225	31.3	62.7	4.8
Alabama.....	835,246	266,977	521,208	38,946	7,307	748	32.0	62.4	4.7
Mississippi.....	644,677	197,383	406,994	31,905	6,546	1,789	30.6	63.1	5.0
West South Central	4,144,135	1,325,261	2,565,028	195,546	53,534	4,768	32.0	61.9	4.7
Arkansas.....	613,905	183,707	389,325	33,197	7,057	519	29.9	63.4	5.4
Louisiana.....	692,160	230,262	422,508	32,460	6,121	814	33.3	61.0	4.7
Oklahoma.....	823,058	254,549	517,512	37,583	12,548	866	30.9	62.9	4.6
Texas.....	2,016,112	656,743	1,235,686	92,306	27,808	2,569	32.6	61.3	4.6
Mountain	1,354,047	489,101	775,861	62,515	24,289	2,301	36.1	57.3	4.6
Montana.....	211,910	86,283	111,496	9,397	4,338	396	40.7	52.6	4.4
Idaho.....	163,154	59,389	93,455	6,990	3,020	300	36.4	57.3	4.3
Wyoming.....	89,966	35,726	48,671	3,715	1,611	243	39.7	54.1	4.1
Colorado.....	379,165	125,015	227,494	18,895	6,938	823	33.0	60.0	5.0
New Mexico.....	141,079	47,817	83,637	7,938	1,678	109	33.9	59.2	5.6
Arizona.....	158,621	57,232	90,370	7,785	2,957	277	36.1	57.0	4.9
Utah.....	168,237	59,334	100,785	5,842	2,153	123	35.3	59.9	3.5
Nevada.....	41,915	18,305	20,053	1,953	1,574	30	43.7	47.8	4.7
Pacific	3,295,609	1,163,965	1,886,558	147,295	84,588	13,208	35.3	57.2	4.5
Washington.....	628,346	224,798	357,702	28,951	14,876	2,019	35.8	56.9	4.6
Oregon.....	381,529	130,768	221,806	18,332	10,126	497	34.3	58.1	4.8
California.....	2,285,734	808,399	1,307,050	100,012	59,586	10,687	35.4	57.2	4.4

Source: Bureau of the Census, Department of Commerce

OF AGE AND OVER, BY SEX: BY STATES, 1930

Females 15 years of age and over									Division and State
Number						Per cent of total			
Total	Single	Married	Widowed	Divorced	Un- known	Single	Mar- ried	Wid- owed	
42,837,149	11,306,653	26,170,756	4,734,207	573,143	52,385	26.4	61.1	11.1	U. S.
3,044,692	972,313	1,697,691	340,898	30,705	3,085	31.9	55.8	11.2	N. E.
283,484	72,768	172,270	33,899	4,211	336	25.7	60.8	12.0	Me.
171,907	48,174	99,922	21,148	2,534	129	28.0	58.1	12.3	N. H.
126,417	32,274	76,472	16,004	1,582	85	25.5	60.5	12.7	Vt.
1,620,410	551,892	869,725	181,875	15,020	1,898	34.1	53.7	11.2	Mass.
256,835	85,282	140,578	27,821	3,056	98	33.2	54.7	10.8	R. I.
585,639	181,923	338,724	60,151	4,302	539	31.1	57.8	10.3	Conn.
9,547,487	2,804,829	5,622,781	1,038,636	64,634	16,587	29.4	58.9	10.9	M. A.
4,721,139	1,417,657	2,738,973	522,983	30,596	10,930	30.0	58.0	11.1	N. Y.
1,470,247	416,041	884,506	158,585	9,678	1,437	28.3	60.2	10.8	N. J.
3,356,081	971,131	1,999,302	357,068	21,360	4,220	28.9	59.6	10.6	Pa.
8,901,167	2,246,305	5,640,326	934,140	132,226	8,170	25.1	62.9	10.4	E. N. C.
2,384,808	594,443	1,496,574	255,108	37,165	1,518	24.9	62.8	10.7	Ohio.
1,155,964	262,586	744,990	128,917	18,458	1,013	22.7	64.4	11.2	Ind.
2,780,510	735,489	1,701,891	299,551	40,186	3,393	26.5	61.2	10.8	Ill.
1,629,915	373,677	1,075,586	154,241	25,259	1,152	22.9	66.0	9.5	Mich.
1,009,970	280,110	621,285	96,323	11,158	1,094	27.7	61.5	9.5	Wis.
4,632,669	1,225,894	2,865,534	475,523	61,908	3,810	26.5	61.9	10.3	W. N. C.
882,618	270,487	519,131	83,101	9,283	613	30.6	58.8	9.4	Minn.
872,053	226,333	543,432	89,464	12,224	600	26.0	62.3	10.3	Iowa.
1,328,759	323,109	825,087	158,222	21,162	1,179	24.3	62.1	11.9	Mo.
205,764	65,124	124,632	14,292	1,474	242	31.6	60.6	6.9	N. Dak.
218,763	61,087	138,030	17,363	2,021	262	27.9	63.1	7.9	S. Dak.
471,298	123,988	296,670	44,089	6,072	479	26.3	62.9	9.4	Nebr.
653,414	155,766	418,552	68,989	9,672	435	23.8	64.1	10.6	Kans.
5,246,825	1,414,211	3,145,495	626,831	53,481	6,827	27.0	60.0	11.9	S. A.
85,276	22,203	52,344	9,937	731	61	26.0	61.4	11.7	Del.
582,733	158,968	346,675	69,352	5,853	1,885	27.3	59.5	11.9	Md.
204,556	61,709	109,427	29,766	2,992	662	30.2	53.5	14.6	D. C.
800,589	224,421	475,428	92,050	7,765	925	28.0	59.4	11.5	Va.
532,849	133,496	346,568	46,874	5,600	311	25.1	65.0	8.8	W. Va.
1,001,408	293,855	596,027	103,850	6,704	972	29.3	59.5	10.4	N. C.
553,365	160,775	318,837	70,694	2,667	392	29.1	57.6	12.8	S. C.
972,461	250,859	573,377	135,213	12,271	741	25.8	59.0	13.9	Ga.
513,588	107,925	326,812	69,095	8,878	878	21.0	63.6	13.5	Fla.
3,253,427	787,562	2,020,880	393,040	48,053	3,892	24.2	62.1	12.1	E. S. C.
855,056	204,684	543,928	95,357	10,411	676	23.9	63.6	11.2	Ky.
883,297	218,534	543,405	106,237	13,026	2,095	24.7	61.5	12.0	Tenn.
861,967	214,039	524,158	110,080	13,019	671	24.8	60.8	12.8	Ala.
653,107	150,305	409,389	81,366	11,597	450	23.0	62.7	12.5	Miss.
3,996,245	917,077	2,558,815	445,917	71,142	3,294	22.9	64.0	11.2	W. S. C.
595,127	126,357	388,783	70,231	9,421	335	21.2	65.3	11.8	Ark.
703,077	178,203	424,774	89,141	10,142	817	25.3	60.4	12.7	La.
764,569	162,964	513,982	72,782	14,397	444	21.3	67.2	9.5	Okla.
1,933,472	449,553	1,231,276	213,763	37,182	1,698	23.3	63.7	11.1	Tex.
1,173,018	274,065	761,861	116,611	19,968	1,013	23.4	64.9	9.9	Mt.
166,045	40,253	108,514	14,503	2,659	116	24.2	65.4	8.7	Mont.
136,154	31,359	91,745	10,927	1,995	128	23.0	67.4	8.0	Idaho.
67,257	14,139	46,831	5,155	1,057	75	21.0	69.6	7.7	Wyo.
357,236	83,456	226,078	40,337	7,013	352	23.4	63.3	11.3	Colo.
126,945	29,828	82,557	12,852	1,628	80	23.5	65.0	10.1	N. Mex.
133,547	28,613	87,791	14,650	2,348	145	21.4	65.7	11.0	Ariz.
158,726	41,308	99,613	15,338	2,357	110	26.0	62.8	9.7	Utah.
27,108	5,109	18,232	2,849	911	7	18.8	67.3	10.5	Nev.
2,981,639	664,397	1,857,873	362,611	91,051	5,707	22.3	62.3	12.2	Pac.
545,790	122,694	352,466	56,054	13,701	875	22.5	64.6	10.3	Wash.
339,219	74,807	218,946	36,489	8,783	134	22.1	64.5	10.8	Oreg.
2,096,630	466,836	1,286,461	270,068	68,567	4,698	22.3	61.4	12.9	Calif.

No. 37.—MARITAL CONDITION OF PERSONS 15 YEARS OF AGE AND OVER:
BY SEX, RACE, AND NATIVITY, CONTINENTAL UNITED STATES

NOTE.—Figures for "All other" in 1930 include Mexicans, prior to 1930 Mexicans were classified for the most part as white. See footnote 2, Table 14. The marital condition of males and females 15 years of age and over by race and nativity for each geographic division and of white and negro persons for each State having a negro population of over 5 per cent of the total is shown in Statistical Abstract, 1931, Tables 23 and 24.

Class	Males 15 years and over				Females 15 years and over			
	Number		Per cent		Number		Per cent	
	1920	1930	1920	1930	1920	1930	1920	1930
All classes	36,920,683	43,881,021	100 0	100 0	35,177,515	42,837,149	100 0	100 0
Single.....	12,967,585	14,953,712	35 1	34 1	9,616,902	11,806,653	27 3	26 4
Married.....	21,849,286	28,327,109	59 2	60 0	21,318,933	26,170,756	60 6	61 1
Widowed.....	1,753,308	2,025,036	4 8	4 6	3,917,625	4,734,207	11 1	11 1
Divorced.....	235,294	489,478	.6	1 1	273,304	573,148	.8	1 3
Unknown.....	110,240	85,686	.3	.2	50,751	52,385	.1	1
White	33,335,586	39,214,156	100 0	100 0	31,654,841	38,220,229	100 0	100 0
Single.....	11,782,665	13,364,509	35 3	34 1	8,772,732	10,229,306	27 7	26 8
Married.....	19,698,113	23,603,312	59 1	60 2	19,210,238	23,444,243	60 7	61 3
Widowed.....	1,649,164	1,745,213	4 6	4 5	3,399,662	4,023,372	10 7	10 5
Divorced.....	207,663	428,073	.6	1 1	228,565	477,624	.7	1 2
Unknown.....	97,981	73,049	.3	.2	43,644	45,684	.1	.1
Native white, total	26,083,047	32,210,108	100 0	100 0	25,740,858	32,155,087	100 0	100 0
Single.....	9,927,618	11,858,592	38 1	36 8	7,936,933	9,459,175	30 8	29 4
Married.....	14,795,171	18,642,713	56 7	57 9	15,088,735	19,200,906	58 6	59 7
Widowed.....	1,111,115	1,282,341	4 3	4 0	2,480,407	3,030,472	9 6	9 4
Divorced.....	175,713	365,243	.7	1 1	200,909	425,682	.8	1 3
Unknown.....	73,430	61,217	.3	.2	35,872	38,852	.1	.1
Native white, native parentage	19,092,107	23,369,460	100 0	100 0	18,529,748	22,978,599	100 0	100 0
Single.....	6,776,518	8,054,686	35 5	34 5	5,268,490	6,254,818	28 4	27 2
Married.....	11,244,289	14,013,140	58 9	60 0	11,195,865	14,143,668	60 4	61 6
Widowed.....	874,821	976,085	4 6	4 2	1,885,000	2,227,860	10 2	9 7
Divorced.....	134,789	279,723	.7	1 2	152,743	324,768	.8	1 4
Unknown.....	61,690	45,826	.3	.2	27,650	27,485	.1	.1
Native white, foreign or mixed parentage	6,990,940	8,840,646	100 0	100 0	7,211,108	9,178,488	100 0	100 0
Single.....	3,151,100	3,803,906	45 1	43 0	2,668,443	3,204,357	37 0	34 9
Married.....	3,550,882	4,629,573	50 8	52 4	3,890,870	5,057,238	54 0	55 1
Widowed.....	236,294	306,256	3 4	3 5	595,407	802,612	8 3	8 7
Divorced.....	40,924	85,520	.6	1 0	48,166	100,914	.7	1 1
Unknown.....	11,740	15,391	.2	.2	8,222	11,367	.1	1
Foreign-born white	7,552,639	7,004,050	100 0	100 0	5,913,985	6,065,142	100 0	100 0
Single.....	1,855,047	1,505,917	25 6	21 5	1,335,799	1,770,131	14 1	12 7
Married.....	4,902,942	4,980,599	67 6	70 8	4,123,503	4,243,837	69 7	70 0
Widowed.....	438,049	462,872	6 0	6 6	919,255	992,900	15 5	16 4
Divorced.....	31,950	62,830	.4	.9	27,656	51,942	.5	.9
Unknown.....	24,551	11,832	.3	.2	7,772	6,832	.1	1
Negro	3,993,211	3,941,462	100 0	100 0	3,423,190	4,099,552	100 0	100 0
Single.....	1,104,877	1,270,950	32 6	32 2	825,255	953,806	24 1	23 3
Married.....	2,050,407	2,357,821	60 4	59 8	2,039,181	2,398,144	59 6	58 5
Widowed.....	200,734	247,595	5 9	6 3	507,961	652,663	14 8	15 9
Divorced.....	25,689	55,713	.8	1 4	43,871	88,868	1 3	2 2
Unknown.....	10,504	9,383	.3	.2	6,829	6,071	.2	.1
All other	191,868	725,403	100 0	100 0	99,574	517,368	100 0	100 0
Single.....	80,023	318,253	41 7	43 9	18,912	123,541	19 0	23 9
Married.....	100,746	365,976	52 5	50 5	69,514	328,369	69 8	63 5
Widowed.....	8,410	32,228	4 4	4 4	10,002	58,172	10 0	11 2
Divorced.....	932	5,892	.5	.8	868	6,656	.9	1 3
Unknown.....	1,755	3,254	.9	.4	278	630	.3	.1

Source: Bureau of the Census, Department of Commerce.

No. 38.—URBAN AND RURAL POPULATION: MARITAL CONDITION OF PERSONS 15 YEARS OF AGE AND OVER, BY SEX, 1920, AND BY SEX, RACE, NATIVITY, AND PARENTAGE, 1930, CONTINENTAL UNITED STATES

Class	Persons 15 years of age and over					Per cent of total			
	Total ¹	Single	Married	Wid-owed	Di-vorced	Single	Mar-ried	Wid-owed	Di-vorced
1920									
Urban population:									
Males.....	19,695,500	6,982,294	11,605,237	897,500	142,778	35.5	58.9	4.6	0.7
Females.....	19,618,764	5,698,673	11,310,188	2,395,622	186,181	29.0	57.6	12.2	.6
Rural population:									
Males.....	17,225,163	5,985,271	10,244,029	860,808	92,506	34.7	59.5	5.0	.5
Females.....	15,558,751	3,918,229	10,008,745	1,522,003	87,123	25.2	64.3	9.8	.6
1930									
URBAN POPULATION									
Males, total.....	25,201,037	8,501,813	15,242,615	1,086,856	316,383	33.7	60.5	4.3	1.3
White.....	23,012,886	7,769,480	13,957,981	955,319	282,736	33.8	60.7	4.2	1.2
Negro.....	1,842,029	576,114	1,112,731	118,454	30,899	31.3	60.4	6.4	1.7
All other.....	346,122	156,219	171,903	13,083	2,838	45.1	49.7	3.8	.8
Native white—									
Native parentage.....	11,322,687	3,843,634	6,850,950	420,680	172,211	33.9	60.5	3.8	1.5
Foreign or mixed parentage.....	6,173,365	2,748,154	3,154,845	195,869	62,507	44.5	51.1	3.2	1.0
Foreign-born white.....	5,516,834	1,777,692	3,952,186	320,770	47,928	21.3	71.6	6.0	.9
Females, total.....	25,968,592	7,228,694	15,199,397	3,078,806	426,658	27.8	58.5	11.8	1.6
White.....	23,672,905	6,713,677	13,891,824	2,668,272	367,865	28.4	58.7	11.3	1.6
Negro.....	2,048,053	454,635	1,158,802	376,331	54,790	22.2	56.6	18.4	2.7
All other.....	245,634	60,382	148,771	32,203	4,003	24.6	60.6	13.1	1.6
Native white—									
Native parentage.....	11,888,265	3,473,117	6,908,864	1,252,402	237,642	29.2	58.1	10.5	2.0
Foreign or mixed parentage.....	6,824,165	2,560,477	3,555,597	613,842	84,950	37.5	52.1	9.0	1.2
Foreign-born white.....	4,960,475	680,083	3,427,363	802,028	45,273	13.7	69.1	16.2	.9
RURAL POPULATION									
Males, total.....	18,679,984	6,451,899	11,084,494	938,180	173,095	34.5	59.3	5.0	.9
White.....	16,201,270	5,595,029	9,645,381	789,894	145,337	34.5	59.5	4.9	.9
Negro.....	2,099,433	694,836	1,245,060	129,141	24,904	33.1	59.3	6.2	1.2
All other.....	379,281	162,034	194,073	19,145	2,854	42.7	51.2	5.0	.8
Native white—									
Native parentage.....	12,046,773	4,211,052	7,162,190	546,405	107,512	35.0	59.5	4.5	.9
Foreign or mixed parentage.....	2,667,281	1,055,752	1,474,728	110,387	22,923	39.6	55.3	4.1	.9
Foreign-born white.....	1,487,216	328,225	1,008,413	133,102	14,902	22.1	67.8	8.9	1.0
Females, total.....	16,870,557	4,077,859	10,971,359	1,657,401	146,490	24.2	65.0	9.8	.9
White.....	14,547,324	3,515,629	9,552,419	1,355,100	109,759	24.2	65.7	9.3	.8
Negro.....	2,051,499	499,171	1,239,342	276,332	54,078	24.3	60.4	13.5	1.7
All other.....	271,734	63,159	179,598	25,969	2,653	23.2	66.1	9.6	1.0
Native white—									
Native parentage.....	11,090,334	2,781,701	7,234,804	975,458	87,126	25.1	65.2	8.8	.8
Foreign or mixed parentage.....	2,352,323	643,880	1,501,641	188,770	15,964	27.4	63.8	8.0	.7
Foreign-born white.....	1,104,667	90,048	815,974	190,872	6,669	8.2	73.9	17.3	.6

¹ Includes persons whose marital condition was not reported.

No. 39.—DWELLINGS AND FAMILIES, URBAN AND RURAL: CONTINENTAL UNITED STATES, 1920 AND 1930

Tenure	Total		Urban		Rural	
	1920	1930	1920	1930	1920	1930
Number of dwellings.....	20,697,204	25,204,976	9,484,550	13,046,699	11,212,654	12,158,277
1-family dwellings.....		22,833,110		11,001,861		11,831,249
2-family dwellings.....		1,723,087		614,268		297,517
3-or-more-family dwellings.....		648,779				29,511
Number of families.....	24,351,676	1 29,904,663	12,803,047	17,372,524	11,548,629	12,532,139
Families having homes:						
Owned—Number.....	10,866,960	14,002,074	4,707,715	7,432,554	6,159,245	6,569,520
Per cent.....	44.6	46.8	36.8	42.8	53.3	52.4
Rented—Number.....	12,943,598	15,319,817	7,879,348	9,681,359	5,064,250	5,638,458
Per cent.....	53.2	51.2	61.5	55.7	43.9	45.0
Tenure unknown—Number.....	541,118	582,772	215,984	258,611	325,134	324,161
Per cent.....	2.2	1.9	1.7	1.5	2.8	2.6

¹ Private families only, excluding 75,178 institutions, hotels, etc. These quasi-family groups were included in the count as made for 1920.

Source of Tables 38 and 39: Bureau of the Census, Department of Commerce.

No. 40.—FAMILIES BY TENURE, AND AVERAGE POPULATION PER FAMILY

NOTE.—A family is defined as a group of persons related either by blood or by marriage or adoption who live together as one household usually sharing the same table. Single persons living alone are counted as families, however, as are a few small groups of unrelated persons sharing the same living accommodations as "partners." In the 1920 count, inmates of an institution were treated as a single family as were also other quasi-family groups. Families not reporting tenure are included in the totals for all families.

Division and State	All families		Owner families, 1930	Tenant families, 1930	Per cent of total				Average population per family ²		
	1920	1930 ¹			Owners		Tenants		1920	1930, incl. inst.	1930, priv. only
					1920	1930	1920	1930			
Continental U. S.	24,351,676	29,904,663	14,002,074	15,319,817	44.6	46.8	53.2	51.2	4.34	4.10	4.01
New England.....	1,703,812	1,981,499	915,441	1,042,521	39.2	46.2	59.3	52.6	4.34	4.11	4.00
Maine.....	186,106	197,826	119,898	74,358	58.5	60.6	39.7	37.6	4.13	4.02	3.93
New Hampshire.....	108,334	119,337	64,823	53,078	48.7	54.3	49.1	44.5	4.09	3.89	3.79
Vermont.....	85,804	89,188	52,813	35,563	56.4	59.2	41.6	39.9	4.11	4.02	3.93
Massachusetts.....	874,798	1,021,160	439,238	569,645	34.4	43.0	64.5	55.8	4.40	4.15	4.03
Rhode Island.....	137,160	165,343	67,467	96,432	30.6	40.8	57.7	58.3	4.41	4.15	4.05
Connecticut.....	311,610	388,645	171,202	213,445	37.0	44.1	61.3	54.9	4.43	4.12	4.03
Middle Atlantic.....	5,085,080	6,374,380	2,823,965	3,483,389	36.7	44.3	61.8	54.3	4.38	4.11	4.01
New York.....	2,441,125	3,153,124	1,155,036	1,957,733	30.3	36.6	63.4	62.1	4.25	3.98	3.86
New Jersey.....	721,841	985,636	470,500	502,497	37.7	47.7	60.8	51.0	4.37	4.09	4.02
Pennsylvania.....	1,922,114	2,235,620	1,198,420	1,003,159	44.4	53.6	53.9	44.9	4.54	4.30	4.23
E. North Central.....	5,143,913	6,362,823	3,395,203	2,868,065	51.4	53.4	46.8	45.1	4.17	3.97	3.88
Ohio.....	1,414,068	1,697,918	912,295	763,650	50.9	53.7	47.7	45.0	4.07	3.91	3.83
Indiana.....	737,707	843,066	474,196	353,807	53.6	56.2	44.2	42.0	3.97	3.84	3.77
Illinois.....	1,534,077	1,929,396	882,999	1,017,115	42.9	45.8	55.2	52.7	4.23	3.94	3.84
Michigan.....	862,745	1,180,554	685,516	476,682	57.9	58.1	40.5	40.4	4.25	4.09	4.01
Wisconsin.....	595,316	711,889	440,197	256,811	62.5	61.8	35.7	36.1	4.42	4.12	4.04
W. North Central.....	2,957,849	3,317,881	1,762,814	1,490,748	55.0	53.1	42.5	44.6	4.24	4.00	3.92
Minnesota.....	526,026	606,496	340,908	243,696	59.4	57.7	33.4	40.2	4.54	4.21	4.11
Iowa.....	558,070	635,704	340,778	282,607	56.7	53.6	40.9	44.5	4.10	3.88	3.82
Missouri.....	829,043	939,476	459,810	461,203	48.4	48.9	49.3	49.1	4.11	3.85	3.76
North Dakota.....	174,881	145,005	81,352	57,399	62.9	56.1	33.4	39.6	4.80	4.68	4.62
South Dakota.....	142,793	101,013	82,482	72,902	59.3	51.2	37.2	45.3	4.46	4.29	4.24
Nebraska.....	303,433	342,939	181,369	152,835	55.7	52.9	41.4	44.6	4.27	4.01	3.94
Kansas.....	435,600	457,188	267,115	210,106	55.4	54.8	42.0	43.1	4.06	3.85	3.78
South Atlantic.....	2,991,628	3,511,860	1,466,839	1,969,291	40.8	41.8	56.3	56.1	4.68	4.49	4.41
Delaware.....	52,070	59,092	30,187	27,804	43.8	51.1	54.3	47.1	4.28	4.02	3.87
Maryland.....	324,742	385,179	208,563	169,359	49.0	54.1	49.3	44.0	4.46	4.23	4.11
Dist. of Col.....	96,194	125,554	47,220	75,254	29.6	37.6	68.3	59.9	4.55	3.86	3.70
Virginia.....	453,363	529,089	272,208	247,497	50.1	51.4	47.9	46.8	4.78	4.57	4.48
West Virginia.....	310,098	373,941	168,543	198,736	45.6	45.1	51.8	53.1	4.72	4.62	4.55
North Carolina.....	513,377	644,033	279,046	349,555	45.9	43.5	50.9	54.3	4.98	4.91	4.85
South Carolina.....	349,126	365,680	111,257	248,335	31.0	30.4	65.2	67.9	4.82	4.75	4.70
Georgia.....	628,525	652,793	194,459	440,011	29.9	29.8	67.0	67.4	4.61	4.45	4.38
Florida.....	234,133	376,499	153,956	212,740	40.6	40.9	55.0	56.5	4.14	3.89	3.81
E. South Central.....	1,977,381	2,273,359	924,989	1,298,272	41.6	40.7	55.7	57.1	4.50	4.34	4.29
Kentucky.....	546,306	600,405	306,284	290,379	50.5	50.3	47.3	47.6	4.42	4.28	4.23
Tennessee.....	519,108	600,225	270,260	314,841	46.6	45.0	51.0	52.4	4.50	4.35	4.29
Alabama.....	508,769	591,625	198,472	381,466	33.9	33.5	62.8	64.5	4.62	4.47	4.42
Mississippi.....	403,198	471,704	140,973	311,586	33.0	31.8	64.0	66.1	4.44	4.25	4.22
W. South Central.....	2,242,810	2,868,262	1,117,450	1,658,994	40.7	39.0	55.9	57.8	4.87	4.24	4.18
Arkansas.....	390,960	438,639	168,767	251,897	43.8	38.5	53.3	57.4	4.48	4.22	4.19
Louisiana.....	399,913	485,363	165,731	307,273	32.4	34.1	63.8	63.3	4.61	4.32	4.26
Oklahoma.....	444,524	564,161	225,266	320,555	43.6	39.9	52.1	56.8	4.56	4.24	4.17
Texas.....	1,017,413	1,380,096	557,686	779,269	41.5	40.4	55.4	56.5	4.58	4.21	4.15
Mountain.....	803,853	914,408	470,380	415,328	53.6	51.4	43.5	45.4	4.15	4.03	3.92
Montana.....	139,912	136,210	71,419	59,636	58.5	52.4	38.1	43.8	3.92	3.92	3.79
Idaho.....	100,500	108,044	59,684	44,996	58.9	55.1	37.8	41.6	4.30	4.10	4.01
Wyoming.....	48,476	56,887	26,425	28,322	49.6	46.5	45.9	49.8	4.01	3.95	3.79
Colorado.....	230,843	267,324	131,571	127,979	50.6	49.2	47.4	47.9	4.07	3.86	3.74
New Mexico.....	83,708	98,546	54,439	40,428	57.5	55.2	39.3	41.0	4.30	4.28	4.22
Arizona.....	80,208	105,022	45,808	56,350	41.2	43.2	55.1	53.2	4.17	4.09	3.96
Utah.....	98,346	115,936	69,833	44,610	59.0	60.0	39.2	38.5	4.57	4.37	4.29
Nevada.....	21,862	25,469	11,551	12,977	45.5	45.4	50.0	51.0	3.54	3.54	3.32
Pacific.....	1,445,350	2,300,191	1,125,493	1,123,209	46.7	48.9	50.8	48.8	3.85	3.54	3.38
Washington.....	342,228	423,833	245,138	167,609	53.6	57.8	44.3	39.5	3.96	3.67	3.50
Oregon.....	202,890	266,325	154,283	106,712	53.6	57.9	44.2	40.1	3.86	3.56	3.43
California.....	900,232	1,610,030	726,072	848,888	42.5	45.1	54.8	52.7	3.81	3.51	3.34

¹ Private families only, excluding 75,178 institutions, hotels, etc. These quasi-family groups were included in the count as made for 1920.

² The first of the two averages shown for 1930 is obtained by dividing the total population by the combined number of private families and quasi-family groups (institutions, hotels, etc.). This figure is strictly comparable with the 1920 average. The second average presented for 1930 is obtained by dividing the total population living in private families by the number of private families.

Source: Bureau of the Census, Department of Commerce

No. 41.—FAMILIES, BY COLOR AND NATIVITY OF HEAD, AND DWELLINGS BY CLASS, 1930

Division and State	Families ¹				Dwellings				Quasi-family groups
	All classes	Native white	Foreign-born white	Negro	Total	1-family	2-family	3-or-more-family	
Continental U. S.	29, 904, 663	20, 968, 803	5, 736, 491	2, 803, 756	25, 204, 976	22, 833, 110	1, 728, 087	643, 779	75, 178
New England	1, 981, 499	1, 203, 304	753, 231	22, 864	1, 453, 222	1, 124, 366	224, 255	104, 601	5, 928
Maine.....	197, 826	158, 687	38, 633	259	172, 985	155, 406	13, 929	3, 653	551
New Hampshire.....	119, 337	85, 503	33, 672	117	101, 712	89, 813	8, 907	2, 992	322
Vermont.....	89, 188	72, 922	16, 117	135	79, 455	72, 356	5, 778	1, 321	244
Massachusetts.....	1, 021, 160	579, 751	427, 385	12, 637	703, 222	511, 051	126, 274	65, 897	3, 384
Rhode Island.....	165, 343	89, 926	72, 711	2, 542	115, 293	81, 152	23, 065	11, 076	460
Connecticut.....	388, 645	216, 515	164, 713	7, 174	280, 552	214, 588	46, 302	19, 662	958
Middle Atlantic	4, 374, 380	3, 921, 222	2, 200, 620	243, 371	4, 465, 195	3, 732, 593	500, 585	232, 097	14, 544
New York.....	3, 153, 124	1, 753, 641	1, 297, 716	95, 621	1, 735, 056	1, 299, 217	275, 924	159, 916	8, 988
New Jersey.....	985, 636	576, 991	358, 981	48, 634	721, 143	580, 836	99, 590	40, 717	1, 961
Pennsylvania.....	2, 235, 620	1, 590, 590	543, 920	99, 114	2, 008, 996	1, 852, 481	125, 051	31, 464	3, 565
East North Central	6, 362, 823	4, 733, 353	1, 390, 490	222, 240	5, 312, 851	4, 731, 798	424, 556	158, 497	13, 658
Ohio.....	1, 697, 918	1, 339, 077	281, 756	75, 709	1, 474, 893	1, 335, 303	107, 024	32, 566	2, 923
Indiana.....	843, 066	752, 373	60, 205	28, 771	789, 785	757, 409	24, 577	7, 499	1, 385
Illinois.....	1, 929, 396	1, 313, 653	530, 272	78, 737	1, 405, 127	1, 153, 819	163, 079	88, 229	5, 054
Michigan.....	1, 180, 554	800, 076	339, 738	36, 500	1, 018, 845	925, 348	74, 544	18, 953	2, 588
Wisconsin.....	711, 889	528, 174	178, 519	2, 523	624, 201	559, 919	55, 032	9, 250	1, 708
West North Central	3, 317, 881	2, 697, 414	515, 044	87, 853	3, 037, 237	2, 860, 810	139, 849	38, 578	7, 731
Minnesota.....	605, 496	417, 174	183, 895	2, 592	542, 051	503, 000	31, 007	7, 444	1, 853
Iowa.....	635, 704	547, 258	82, 870	4, 571	604, 001	583, 186	16, 622	4, 199	1, 188
Missouri.....	939, 476	809, 330	69, 749	59, 016	809, 425	727, 440	64, 372	17, 613	2, 336
North Dakota.....	145, 005	91, 405	51, 805	120	137, 703	133, 030	3, 712	961	364
South Dakota.....	161, 018	123, 228	33, 093	166	154, 834	149, 028	3, 584	822	319
Nebraska.....	342, 939	279, 529	57, 817	3, 700	325, 479	316, 419	7, 292	2, 268	777
Kansas.....	487, 188	429, 490	55, 875	17, 088	469, 744	447, 213	13, 260	3, 271	874
South Atlantic	3, 511, 860	2, 401, 398	131, 160	974, 592	3, 243, 552	3, 064, 043	148, 808	30, 698	7, 621
Delaware.....	59, 092	44, 331	7, 056	7, 682	54, 940	52, 234	2, 016	690	201
Maryland.....	385, 179	282, 287	41, 442	61, 160	346, 110	318, 246	22, 890	4, 981	903
Dist. of Columbia.....	125, 554	83, 700	11, 586	29, 995	84, 903	74, 649	6, 805	3, 449	465
Virginia.....	529, 089	377, 676	10, 373	140, 726	492, 575	466, 083	22, 550	3, 942	964
West Virginia.....	373, 941	325, 305	22, 255	26, 274	352, 749	336, 834	13, 301	2, 614	723
North Carolina.....	644, 033	457, 087	3, 762	180, 128	614, 292	589, 545	21, 844	2, 903	1, 218
South Carolina.....	365, 080	194, 768	2, 362	168, 324	345, 265	329, 370	13, 334	2, 561	589
Georgia.....	652, 793	396, 793	5, 927	249, 942	602, 468	564, 840	32, 411	5, 517	1, 218
Florida.....	376, 499	239, 451	26, 394	110, 361	350, 243	332, 847	13, 657	4, 039	1, 320
East South Central	2, 273, 359	1, 591, 095	27, 341	653, 847	2, 127, 537	2, 013, 878	97, 793	15, 868	3, 427
Kentucky.....	609, 495	538, 218	10, 470	60, 672	560, 329	533, 615	27, 286	5, 425	965
Tennessee.....	600, 625	474, 078	6, 066	120, 402	568, 153	528, 242	24, 815	5, 096	965
Alabama.....	591, 625	361, 656	7, 326	222, 533	554, 505	523, 035	27, 270	3, 360	844
Mississippi.....	471, 704	217, 143	3, 479	250, 240	448, 190	428, 086	18, 422	1, 982	652
West South Central	2, 368, 262	2, 068, 970	81, 776	564, 818	2, 686, 296	2, 554, 712	107, 385	24, 199	6, 072
Arkansas.....	438, 639	310, 328	5, 074	123, 009	419, 381	403, 295	11, 665	2, 021	645
Louisiana.....	485, 363	276, 508	16, 548	190, 876	458, 380	438, 665	16, 334	3, 481	1, 051
Oklahoma.....	564, 164	492, 672	13, 376	40, 238	526, 659	501, 347	19, 990	5, 322	1, 183
Texas.....	1, 380, 096	987, 462	46, 778	210, 795	1, 231, 876	1, 181, 505	50, 996	13, 375	3, 193
Mountain	914, 408	694, 118	136, 437	8, 743	846, 808	809, 645	27, 600	9, 563	4, 148
Montana.....	136, 210	97, 796	34, 135	458	126, 854	122, 144	3, 357	1, 353	809
Idaho.....	108, 044	91, 910	14, 381	229	102, 992	99, 803	2, 610	679	472
Wyoming.....	56, 887	45, 001	9, 221	418	53, 599	51, 509	1, 005	455	285
Colorado.....	267, 324	210, 335	41, 476	3, 535	242, 548	230, 007	8, 304	3, 637	1, 089
New Mexico.....	98, 546	75, 405	3, 707	799	92, 539	87, 021	3, 824	735	279
Arizona.....	105, 992	63, 629	7, 001	2, 776	98, 639	93, 854	3, 044	1, 135	628
Utah.....	115, 936	92, 285	21, 143	331	106, 788	100, 743	8, 787	1, 258	316
Nevada.....	25, 469	17, 757	5, 373	194	23, 894	23, 064	579	261	260
Pacific	2, 300, 191	1, 659, 929	500, 392	25, 338	2, 032, 278	1, 941, 320	57, 769	33, 582	12, 049
Washington.....	423, 833	309, 320	105, 869	2, 059	332, 539	368, 917	8, 843	4, 779	2, 212
Oregon.....	266, 328	216, 200	46, 669	674	246, 558	239, 069	4, 941	2, 548	1, 356
California.....	1, 610, 030	1, 134, 349	347, 854	22, 595	1, 403, 181	1, 333, 334	43, 492	26, 355	8, 481

¹ Private families only, excluding 75,178 institutions, hotels, etc. Totals for all classes include "Other races" not shown.

Source Bureau of the Census, Department of Commerce.

No. 42.—NONFARM HOMES BY VALUE OR MONTHLY RENTAL, BY COLOR AND NATIVITY OF HEAD OF FAMILY, FOR THE UNITED STATES, 1930

Value or monthly rental	Number					Per cent				
	All classes	Native white	Foreign-born white	Negro	Other races	All classes	Native white	Foreign-born white	Negro	Other races
Owmed nonfarm homes.	10, 503, 386	7, 382, 357	2, 584, 634	480, 324	76, 071	100 0	100 0	100 0	100 0	100 0
Value under \$1,000.	794, 724	484, 442	80, 356	188, 795	41, 131	7.6	6.6	3.1	39.3	54.1
\$1,000 to \$1,499.	570, 047	409, 054	85, 522	66, 516	8, 955	5.4	5.5	3.3	13.8	11.8
\$1,500 to \$1,999.	531, 277	391, 222	92, 109	42, 337	5, 609	5.1	5.3	3.6	8.8	7.4
\$2,000 to \$2,499.	1, 167, 325	852, 063	249, 018	59, 404	6, 840	11.1	11.5	9.7	12.4	9.0
\$2,500 to \$2,999.	2, 343, 769	1, 675, 141	603, 331	59, 377	5, 920	22.3	22.7	23.5	12.4	7.8
\$3,000 to \$3,499.	2, 297, 029	1, 608, 579	653, 630	31, 839	2, 681	21.9	21.8	25.5	6.6	3.5
\$3,500 to \$3,999.	989, 468	687, 069	291, 545	10, 108	716	9.4	9.3	11.4	2.1	.9
\$4,000 to \$4,499.	806, 557	620, 066	279, 222	6, 676	593	8.6	8.4	10.9	1.4	.8
\$4,500 to \$4,999.	339, 535	235, 363	102, 052	1, 897	223	3.2	3.2	4.0	.4	.3
\$5,000 and over.	354, 337	267, 927	84, 825	1, 289	296	3.4	3.6	3.3	.3	.4
Not reported.	209, 318	151, 101	43, 024	12, 086	3, 107	2.0	2.0	1.7	2.5	4.1
Rented nonfarm homes.	12, 351, 549	8, 282, 135	2, 583, 875	1, 290, 697	194, 842	100.0	100 0	100 0	100.0	100 0
Rental under \$10.	1, 563, 952	899, 403	108, 873	479, 539	76, 137	12.7	10.9	4.2	37.2	39.1
\$10 to \$14.	1, 330, 927	869, 816	183, 911	241, 898	35, 302	10.8	10.5	7.1	18.7	18.1
\$15 to \$19.	1, 502, 387	886, 754	239, 942	133, 854	21, 837	10.5	10.7	10.1	10.4	11.2
\$20 to \$29.	2, 545, 208	1, 739, 044	591, 796	188, 079	26, 289	20.6	21.0	22.9	14.6	13.5
\$30 to \$39.	3, 191, 435	2, 219, 130	806, 670	149, 096	16, 539	25.8	26.8	31.2	11.6	8.5
\$40 to \$49.	1, 503, 401	1, 024, 828	423, 704	49, 353	5, 516	12.2	12.4	16.4	3.8	2.8
\$50 to \$59.	343, 071	242, 247	90, 545	8, 838	1, 441	2.8	2.9	3.5	.7	.7
\$60 to \$69.	163, 292	117, 425	43, 008	1, 949	910	1.3	1.4	1.7	.2	.5
\$70 to \$79.	46, 297	33, 678	11, 908	452	259	.4	.4	.5	(1)	.1
\$80 to \$89.	45, 750	35, 084	10, 287	147	232	.4	.4	.4	(1)	.1
\$90 and over.	315, 829	214, 726	53, 231	37, 492	10, 380	2.6	2.6	2.1	2.9	5.3
Not reported.										
	Median value of owned nonfarm homes					Median rental of rented nonfarm homes				
Total.	24, 778	24, 780	25, 576	21, 341	(2)	\$27.15	\$27.92	\$33.00	\$13.04	\$12.28
Urban.	5, 743	5, 849	6, 076	1, 945	\$1, 291	32.06	34.11	35.13	16.48	15.15
Rural-nonfarm.	2, 661	2, 772	3, 168	(2)	(2)	12.01	13.14	14.37	(2)	(2)

¹ Less than one-tenth of 1 per cent

² Less than \$1,000.

³ Less than \$10

No. 43.—FAMILIES: BY SIZE, BY NUMBER OF CHILDREN UNDER 10 YEARS OF AGE, AND BY NUMBER OF GAINFUL WORKERS, FOR THE UNITED STATES, 1930

Item	Number					Per cent				
	All classes	Native white	Foreign-born white	Negro	Other races	All classes	Native white	Foreign-born white	Negro	Other races
All families.	29, 904, 663	20, 988, 803	5, 736, 491	2, 803, 756	395, 613	100.0	100 0	100 0	100 0	100 0
Families comprising—										
1 person.	2, 357, 463	1, 537, 193	436, 214	338, 114	45, 942	7.9	7.3	7.6	12.1	11.6
2 persons.	6, 982, 835	5, 056, 897	1, 126, 051	739, 812	60, 075	23.4	24.1	19.6	26.4	15.2
3 persons.	6, 226, 519	4, 606, 372	1, 061, 617	500, 990	57, 540	20.8	22.0	18.5	17.9	14.5
4 persons.	5, 234, 696	3, 787, 696	1, 030, 390	361, 880	54, 740	17.5	18.1	13.0	12.9	13.8
5 persons.	3, 574, 362	2, 479, 570	780, 249	265, 136	49, 407	12.0	11.8	13.6	9.5	12.5
6 persons.	2, 273, 300	1, 514, 586	523, 838	193, 720	41, 156	7.6	7.2	9.1	6.9	10.4
7 persons.	1, 393, 356	892, 313	328, 553	141, 149	31, 341	4.7	4.3	5.7	5.0	7.9
8 persons.	842, 669	518, 376	202, 093	99, 800	22, 400	2.8	2.5	3.5	3.6	5.7
9 persons.	493, 174	291, 999	118, 872	67, 607	14, 696	1.6	1.4	2.1	2.4	3.7
10 persons.	272, 068	153, 564	66, 198	43, 573	8, 733	.9	.7	1.2	1.6	2.2
11 persons.	138, 816	74, 163	34, 567	25, 411	4, 675	.5	.4	.6	.9	1.2
12 or more persons.	115, 405	56, 074	27, 859	26, 504	4, 908	.4	.3	.5	.9	1.2
Families having—										
No children under 10.	17, 587, 354	12, 216, 082	3, 544, 030	1, 655, 217	171, 305	58.8	58.3	61.8	59.0	43.3
1 child under 10.	5, 745, 158	4, 164, 091	1, 045, 547	467, 575	67, 945	19.2	19.9	18.2	16.7	17.2
2 children under 10.	3, 525, 307	2, 542, 041	636, 073	283, 572	38, 621	11.8	12.1	11.1	10.3	14.8
3 children under 10.	1, 787, 690	1, 243, 766	305, 503	190, 380	43, 041	6.0	5.9	5.3	6.8	12.1
4 children under 10.	851, 974	560, 506	138, 653	121, 107	31, 708	2.8	2.7	2.4	4.3	8.0
5 children under 10.	311, 074	188, 425	50, 993	58, 180	13, 476	1.0	.9	.9	2.1	3.4
6 or more.	96, 106	53, 172	15, 692	22, 725	4, 517	.3	.3	.3	.8	1.1
Families having—										
No gainful workers.	1, 803, 871	1, 327, 676	371, 311	86, 227	18, 657	6.0	6.3	6.5	3.1	4.7
1 gainful worker.	18, 558, 705	13, 659, 468	3, 116, 525	1, 532, 551	260, 161	62.1	65.1	54.3	54.7	65.8
2 gainful workers.	6, 321, 816	4, 201, 458	1, 288, 825	758, 898	72, 635	21.1	20.0	22.5	27.1	18.4
3 gainful workers.	2, 140, 386	1, 263, 185	599, 778	250, 634	26, 789	7.2	6.0	10.5	8.9	6.8
4 or more.	1, 069, 885	517, 016	360, 052	175, 446	17, 371	3.6	2.5	6.3	6.3	4.4

Source of Tables 42 and 43, Bureau of the Census, Department of Commerce.

No. 44.—OWNED NONFARM HOMES CLASSIFIED ACCORDING TO VALUE, BY STATES, 1930

Note.—Totals include homes with value unknown

Division and state	All owned nonfarm homes	Number of homes with value—								Median value
		Under \$1,000	\$1,000 to \$1,499	\$1,500 to \$1,999	\$2,000 to \$2,999	\$3,000 to \$4,999	\$5,000 to \$7,499	\$7,500 to \$9,999	\$10,000 and over	
United States.....	10,503,386	794,724	570,047	531,277	1,167,325	2,343,769	2,297,029	989,468	1,600,429	34,778
New England.....	802,593	21,613	25,422	28,304	70,795	179,693	212,943	97,294	155,693	5,834
Maine.....	84,963	10,022	8,779	6,757	13,453	20,132	14,102	3,828	5,632	3,233
New Hampshire.....	50,947	4,001	4,000	4,103	8,905	14,717	8,860	2,323	2,956	3,533
Vermont.....	31,704	1,995	2,170	2,092	4,820	8,715	6,552	2,019	2,778	4,031
Massachusetts.....	415,619	3,832	7,344	9,550	30,893	92,975	120,672	57,286	87,185	6,249
Rhode Island.....	64,480	508	1,139	1,410	4,629	14,944	20,216	8,637	12,420	6,153
Connecticut.....	154,880	1,254	1,990	2,392	8,095	28,210	42,541	23,201	44,722	7,013
Middle Atlantic.....	2,522,747	53,674	64,369	67,565	188,024	490,139	641,016	337,442	637,610	6,467
New York.....	1,017,475	15,349	19,392	19,534	54,581	147,484	243,443	161,965	336,259	7,492
New Jersey.....	448,623	4,101	6,020	6,635	22,523	71,045	113,442	70,042	147,013	7,426
Pennsylvania.....	1,056,649	34,224	38,957	41,396	110,920	271,610	284,131	105,435	154,338	5,206
East North Central.....	2,700,273	143,116	135,408	133,430	290,854	614,716	640,459	295,894	399,065	5,036
Ohio.....	748,412	31,601	30,536	32,543	75,584	182,365	198,053	82,427	104,039	5,201
Indiana.....	347,704	33,860	28,466	26,662	51,527	90,135	66,834	16,630	22,850	3,664
Illinois.....	765,546	37,033	36,146	32,568	69,369	141,756	170,542	100,887	163,739	5,867
Michigan.....	542,154	29,498	27,857	27,640	58,848	110,761	126,845	63,528	79,990	5,067
Wisconsin.....	296,457	11,123	12,403	14,017	35,526	80,699	78,185	29,422	28,467	4,781
West North Central.....	1,132,096	94,780	87,760	86,660	177,380	304,931	290,554	61,946	73,702	3,704
Minnesota.....	227,336	11,164	11,193	13,171	31,827	68,402	58,317	14,063	15,201	4,297
Iowa.....	233,506	15,332	18,059	18,750	38,906	67,430	47,137	11,428	10,385	3,657
Missouri.....	300,093	27,719	22,683	20,328	39,112	68,660	57,328	22,692	34,014	4,080
North Dakota.....	35,880	4,799	4,035	3,675	6,382	8,391	5,172	1,126	1,087	2,622
South Dakota.....	39,997	3,797	3,573	3,563	7,477	10,768	6,575	1,544	1,461	3,180
Nebraska.....	117,657	6,410	8,426	9,191	20,548	36,105	23,133	5,534	5,690	3,717
Kansas.....	177,624	23,579	19,791	17,982	33,128	45,175	22,892	5,259	5,804	2,768
South Atlantic.....	926,400	130,127	74,167	58,647	116,400	191,160	156,087	63,328	111,968	3,749
Delaware.....	24,063	1,180	1,149	1,224	2,779	5,822	6,245	2,411	2,785	4,878
Maryland.....	176,702	9,290	6,788	7,521	21,051	54,793	42,204	12,055	19,149	4,525
Dist. of Columbia.....	47,190	78	211	249	850	3,435	9,698	12,287	18,400	9,246
Virginia.....	149,820	23,583	13,924	10,071	19,222	28,767	22,980	9,906	16,425	3,392
West Virginia.....	103,202	11,068	8,988	7,668	15,292	23,368	17,775	5,915	10,490	3,620
North Carolina.....	135,375	23,787	14,794	12,030	19,735	24,314	16,722	6,288	13,680	2,763
South Carolina.....	55,707	14,134	4,946	3,492	6,520	9,471	7,804	2,761	5,275	2,710
Georgia.....	114,808	23,756	11,138	8,127	14,880	20,915	16,215	6,247	10,631	2,869
Florida.....	119,523	23,211	12,239	8,265	16,071	20,275	16,435	5,458	14,133	2,892
East South Central.....	463,271	89,775	46,557	36,186	61,887	90,559	68,474	23,436	34,596	2,844
Kentucky.....	154,085	27,568	13,582	10,466	18,864	31,356	25,877	9,291	12,355	3,268
Tennessee.....	138,690	28,332	14,119	11,907	19,085	28,377	19,146	7,333	10,565	2,903
Alabama.....	105,494	20,557	11,732	8,839	15,136	19,817	14,323	4,694	8,151	2,710
Mississippi.....	65,032	18,648	7,124	4,984	8,192	11,009	7,128	2,115	3,525	2,074
West South Central.....	716,962	152,932	66,292	53,231	100,750	152,499	92,187	28,773	50,376	2,753
Arkansas.....	81,653	20,600	10,079	7,438	12,103	14,617	7,834	2,253	3,490	2,090
Louisiana.....	111,071	27,970	9,826	7,281	12,669	19,336	15,069	5,895	10,617	2,730
Oklahoma.....	149,483	35,880	14,770	11,350	21,186	30,841	17,435	5,246	8,973	2,512
Texas.....	374,755	68,482	31,547	27,162	54,792	87,255	51,849	15,379	27,296	2,998
Mountain.....	306,747	64,007	28,627	24,278	46,859	69,899	41,384	10,343	13,487	2,694
Montana.....	39,378	8,177	4,705	3,893	6,579	8,041	4,416	1,136	1,386	2,364
Idaho.....	32,095	5,900	3,922	3,146	5,964	7,593	3,176	622	773	2,433
Wyoming.....	15,269	2,370	1,400	1,083	2,321	3,740	2,505	666	773	3,136
Colorado.....	96,552	13,936	8,099	7,443	15,293	24,275	15,746	4,382	5,416	3,209
New Mexico.....	30,716	15,690	2,312	1,559	2,724	3,750	2,370	562	916	(1)
Arizona.....	33,017	9,361	2,795	2,295	3,844	6,249	4,179	1,157	1,814	2,363
Utah.....	50,730	5,932	4,738	4,389	9,100	14,712	7,695	1,444	1,684	3,098
Nevada.....	8,990	2,641	716	470	1,064	1,539	1,297	374	705	2,541
Pacific.....	932,297	44,702	41,515	44,976	114,376	250,623	225,925	71,012	123,932	4,699
Washington.....	188,333	15,557	14,434	16,244	37,025	66,312	29,445	6,133	9,137	3,316
Oregon.....	111,762	9,185	8,217	8,442	19,160	35,017	19,779	4,415	5,907	3,574
California.....	632,202	19,960	18,864	20,290	58,191	159,294	176,701	60,464	108,888	5,491

1 Less than \$1,000.

Source. Bureau of the Census, Department of Commerce.

No. 45.—RENTED NONFARM HOMES CLASSIFIED ACCORDING TO MONTHLY RENTAL, BY STATES, 1930

Note.—Totals include homes with monthly rental unknown

Division and State	All rented nonfarm homes	Number of homes with monthly rental—								Median rental
		Under \$10	\$10 to \$14	\$15 to \$19	\$20 to \$29	\$30 to \$49	\$50 to \$74	\$75 to \$99	\$100 and over	
United States	12, 351, 549	1, 563, 952	1, 330, 927	1, 302, 387	2, 545, 208	3, 191, 435	1, 503, 401	343, 071	255, 339	\$27. 15
New England	1, 025, 519	46, 603	102, 658	138, 308	298, 291	309, 949	87, 816	16, 896	11, 349	27. 29
Maine.....	70, 427	10, 053	12, 870	13, 093	15, 943	11, 093	2, 095	288	168	19. 35
N. Hampshire.....	51, 400	5, 945	10, 445	11, 194	14, 095	7, 081	987	114	64	18. 83
Vermont.....	31, 573	4, 889	6, 542	6, 037	8, 394	4, 487	739	82	38	18. 46
Massachusetts.....	565, 870	13, 803	45, 209	65, 684	160, 224	196, 250	59, 508	11, 683	7, 748	29. 70
Rhode Island.....	95, 644	4, 390	11, 465	16, 605	33, 588	22, 560	4, 665	1, 021	797	24. 49
Connecticut.....	210, 605	7, 528	16, 125	26, 695	64, 047	68, 478	19, 822	3, 208	2, 534	28. 41
Mid. Atlantic	3, 382, 819	128, 125	194, 826	274, 996	677, 338	1, 108, 907	634, 017	150, 537	141, 641	36. 84
New York.....	1, 923, 410	30, 346	70, 886	121, 993	331, 529	636, 369	455, 802	109, 746	112, 880	41. 94
New Jersey.....	495, 802	7, 582	19, 523	35, 407	110, 629	187, 412	93, 740	19, 485	12, 825	37. 49
Pennsylvania.....	963, 607	90, 197	104, 417	117, 596	235, 180	280, 126	84, 475	21, 306	15, 936	26. 91
E. N. Central	2, 542, 573	157, 875	219, 987	257, 832	520, 036	729, 137	443, 743	109, 467	57, 296	32. 53
Ohio.....	690, 692	41, 406	64, 998	79, 796	170, 342	227, 370	75, 180	14, 546	7, 998	29. 08
Indiana.....	286, 426	33, 858	44, 814	44, 620	69, 071	65, 116	18, 946	2, 846	1, 451	22. 47
Illinois.....	906, 619	44, 905	64, 312	77, 373	149, 311	220, 918	221, 945	69, 898	37, 131	39. 69
Michigan.....	440, 777	23, 545	25, 043	29, 887	79, 151	149, 617	100, 701	17, 170	8, 297	37. 90
Wisconsin.....	218, 059	13, 901	20, 820	26, 156	52, 161	66, 116	26, 971	5, 007	2, 419	28. 79
W. N. Central	1, 003, 989	109, 182	150, 613	150, 178	229, 513	239, 353	75, 957	14, 356	8, 318	23. 43
Minnesota.....	182, 867	11, 855	20, 327	26, 451	45, 275	53, 113	18, 118	2, 600	1, 393	26. 83
Iowa.....	172, 415	16, 069	29, 011	29, 701	44, 415	38, 521	8, 649	1, 128	416	22. 00
Missouri.....	357, 810	44, 675	48, 532	45, 842	71, 973	99, 140	34, 334	8, 814	5, 612	24. 99
N. Dakota.....	29, 680	3, 061	5, 037	4, 641	6, 113	8, 342	2, 555	203	67	22. 08
S. Dakota.....	35, 746	3, 560	6, 475	6, 594	8, 376	7, 339	1, 841	135	75	20. 68
Nebraska.....	88, 985	8, 043	14, 601	14, 782	21, 086	20, 264	5, 693	892	407	22. 61
Kansas.....	136, 466	21, 304	26, 630	22, 167	32, 275	23, 634	4, 767	584	251	19. 03
S. Atlantic	1, 377, 451	478, 491	225, 425	140, 525	208, 731	181, 462	71, 455	16, 444	11, 424	14. 17
Delaware.....	23, 497	2, 966	2, 587	2, 742	5, 691	6, 294	2, 013	398	248	25. 58
Maryland.....	151, 923	19, 398	17, 183	17, 801	39, 044	38, 042	9, 581	2, 839	2, 656	24. 84
Dist. of Col.....	75, 223	482	2, 201	4, 018	9, 979	27, 062	19, 433	5, 101	3, 735	44. 28
Virginia.....	185, 338	56, 352	35, 413	23, 844	29, 511	22, 819	9, 646	1, 837	917	14. 77
W. Virginia.....	176, 748	67, 793	30, 157	19, 117	28, 166	19, 897	6, 543	1, 112	553	13. 13
N. Carolina.....	202, 022	82, 081	41, 928	20, 826	25, 387	17, 233	6, 692	1, 299	574	11. 90
S. Carolina.....	132, 013	81, 796	17, 518	8, 791	10, 886	7, 521	1, 937	356	190	(1)
Georgia.....	242, 642	110, 845	42, 465	22, 868	25, 803	20, 287	8, 303	2, 002	962	10. 70
Florida.....	188, 045	57, 778	35, 973	20, 518	34, 264	22, 307	7, 307	1, 500	1, 589	14. 56
E. S. Central	693, 279	275, 678	134, 637	73, 443	90, 025	65, 742	23, 239	5, 034	2, 563	12. 21
Kentucky.....	196, 527	82, 759	36, 933	23, 506	32, 409	23, 816	7, 537	1, 723	1, 056	14. 35
Tennessee.....	104, 415	64, 417	40, 588	24, 372	27, 675	19, 744	8, 035	1, 949	801	13. 66
Alabama.....	205, 070	100, 576	38, 917	17, 780	19, 993	14, 874	5, 126	960	523	(1)
Mississippi.....	97, 661	47, 926	18, 099	7, 785	9, 948	7, 808	1, 942	402	183	(1)
W. S. Central	954, 377	248, 529	164, 039	118, 163	185, 044	144, 573	42, 735	8, 063	4, 667	16. 92
Arkansas.....	103, 324	42, 708	19, 201	10, 297	13, 802	8, 783	2, 084	304	200	11. 56
Louisiana.....	190, 850	57, 704	32, 910	27, 432	35, 924	23, 278	7, 163	1, 515	1, 018	15. 52
Oklahoma.....	188, 301	35, 058	32, 042	22, 816	39, 717	35, 461	11, 914	2, 317	1, 100	20. 07
Texas.....	471, 902	113, 059	79, 886	57, 618	95, 601	77, 051	21, 574	3, 927	2, 349	17. 83
Mountain	334, 641	57, 540	55, 869	47, 880	74, 088	63, 893	17, 634	2, 826	1, 822	19. 96
Montana.....	45, 186	6, 099	7, 441	6, 747	10, 634	9, 328	2, 604	323	179	21. 31
Idaho.....	31, 991	5, 666	6, 657	5, 243	7, 457	4, 823	897	89	80	17. 99
Wyoming.....	23, 293	3, 161	4, 550	3, 770	5, 062	4, 495	1, 000	129	93	19. 53
Colorado.....	100, 980	13, 562	15, 470	13, 563	23, 623	21, 760	6, 540	1, 185	725	22. 38
New Mexico.....	31, 222	11, 314	5, 110	3, 272	4, 766	4, 056	970	118	98	13. 46
Arizona.....	49, 009	10, 194	7, 847	6, 271	9, 526	9, 033	2, 728	526	411	19. 17
Utah.....	40, 842	5, 349	7, 034	6, 869	10, 555	7, 928	1, 979	300	158	20. 79
Nevada.....	12, 118	2, 195	1, 760	1, 645	2, 465	2, 470	921	156	138	21. 12
Pacific	1, 036, 801	61, 144	82, 875	100, 562	261, 142	353, 419	106, 805	19, 485	16, 199	29. 82
Washington.....	149, 822	14, 885	20, 223	22, 356	39, 331	33, 430	10, 519	1, 567	921	29. 60
Oregon.....	95, 093	13, 143	14, 009	14, 681	24, 212	19, 641	4, 248	560	474	21. 51
California.....	793, 986	33, 116	48, 743	63, 525	197, 599	300, 348	92, 038	17, 821	14, 804	32. 73

¹ Less than \$10

Source. Bureau of the Census, Department of Commerce.

No. 46.—PERSONS 10 YEARS OF AGE AND OVER—NUMBER IN TOTAL POPULATION AND NUMBER GAINFULLY OCCUPIED: By SEX, 1890 TO 1930, AND BY SEX AND AGE, 1920 AND 1930, CONTINENTAL UNITED STATES

Year and age	Total				Male				Female			
	Total number 10 years of age and over	Gainfully occupied		Total number 10 years of age and over	Gainfully occupied		Total number 10 years of age and over	Gainfully occupied		Total number 10 years of age and over	Gainfully occupied	
		Number	Per cent		Number	Per cent		Number	Per cent		Number	Per cent
1890.....	47,413,559	23,318,183	49.2	24,352,659	19,312,651	79.3	23,060,900	4,005,532	17.4			
1900.....	57,949,824	29,073,233	50.2	29,703,140	23,753,836	80.0	28,246,381	5,319,397	18.8			
1910.....	71,580,270	38,167,336	53.3	37,027,658	30,091,564	81.3	34,552,712	8,075,772	23.4			
1920.....	82,789,315	41,614,248	50.3	42,289,969	33,084,737	78.2	40,449,346	8,549,511	21.1			
10 to 13 years.....	8,594,872	378,063	4.4	4,336,009	258,259	6.0	4,258,863	119,804	2.8			
14 years.....	2,046,265	257,594	12.6	1,033,297	174,683	16.9	1,012,968	82,911	8.2			
15 years.....	1,861,445	425,201	22.8	925,679	281,306	30.4	935,766	148,895	15.4			
16 years.....	1,972,958	778,957	39.5	976,834	501,134	51.3	996,124	277,823	27.9			
17 years.....	1,855,173	933,691	50.3	926,033	602,322	65.0	929,140	331,369	35.7			
18 and 19 years.....	3,740,980	2,246,203	60.0	1,845,216	1,443,968	78.3	1,897,734	802,235	42.3			
20 to 24 years.....	9,277,021	5,930,467	63.9	4,527,045	4,121,392	91.0	4,749,976	1,809,075	38.1			
25 to 44 years.....	31,278,522	18,996,959	60.7	16,028,920	15,579,586	97.2	13,249,602	3,417,373	25.4			
45 to 64 years.....	17,030,165	9,904,654	58.2	9,114,960	8,552,175	93.8	7,915,207	1,352,479	17.1			
65 years and over.....	4,933,215	1,689,737	34.3	2,483,071	1,492,837	60.1	2,450,144	196,900	8.0			
Unknown.....	148,699	72,722	48.9	92,875	57,075	61.5	55,824	15,647	28.0			
1930.....	98,723,047	48,829,920	49.5	49,949,798	38,077,804	76.2	48,773,249	10,752,116	22.0			
10 to 13 years.....	9,622,492	235,328	2.4	4,862,201	162,260	3.3	4,760,201	73,068	1.5			
14 years.....	2,382,385	173,660	6.6	1,206,486	110,839	9.2	1,173,899	46,821	4.0			
15 years.....	2,295,699	274,130	11.9	1,154,648	187,643	16.3	1,141,051	86,487	7.6			
16 years.....	2,367,315	587,817	24.8	1,181,920	386,511	32.7	1,185,395	201,306	17.0			
17 years.....	2,295,822	891,024	38.8	1,157,150	577,983	49.9	1,138,672	313,041	27.5			
18 and 19 years.....	4,593,279	2,542,213	55.3	2,264,107	1,599,768	70.7	2,329,172	942,443	40.5			
20 to 24 years.....	10,870,378	7,147,053	65.7	5,336,815	4,799,505	89.9	5,233,563	2,347,348	44.4			
25 to 29 years.....	9,833,608	6,255,677	63.6	4,860,180	4,714,266	97.0	4,973,428	1,641,411	31.0			
30 to 34 years.....	9,120,421	5,567,327	61.0	4,561,786	4,454,400	97.6	4,558,635	1,112,927	24.4			
35 to 39 years.....	9,208,645	5,619,242	61.0	4,679,860	4,571,641	97.7	4,828,783	1,047,601	23.1			
40 to 44 years.....	7,990,195	4,881,298	61.1	4,136,459	4,036,561	97.6	3,853,736	844,737	21.9			
45 to 49 years.....	7,042,279	4,270,070	60.7	3,671,924	3,569,094	97.2	3,370,955	706,976	21.0			
50 to 54 years.....	5,975,804	3,555,091	59.5	3,131,645	2,996,041	95.7	2,844,159	559,070	19.7			
55 to 59 years.....	4,645,677	2,640,064	56.8	2,425,992	2,256,771	93.0	2,219,685	383,293	17.3			
60 to 64 years.....	3,751,221	1,950,528	52.0	1,941,508	1,684,743	86.8	1,809,713	265,785	14.7			
65 to 69 years.....	2,770,605	1,227,042	44.3	1,417,812	1,072,900	75.7	1,352,793	154,142	11.4			
70 to 74 years.....	1,950,004	642,902	33.0	991,647	570,233	57.5	958,357	72,069	7.6			
75 years and over.....	1,913,196	335,023	17.5	915,752	295,616	32.3	997,444	39,407	4.0			
Unknown.....	94,022	44,431	47.3	51,816	31,029	59.9	42,206	13,402	31.8			

Source: Bureau of the Census, Department of Commerce.

No. 47.—MALES AND FEMALES 10 YEARS OF AGE AND OVER GAINFULLY OCCUPIED: By AGE PERIODS FOR EACH PRINCIPAL CLASS OF THE POPULATION AND FOR EACH GENERAL DIVISION OF OCCUPATIONS, 1930

NOTE.—Per cents represent the proportion which persons employed form of the total number of persons of the specified class and age. For totals for all ages, see Table 46

Sex and age	Native white		Foreign-born white		Negro		Other races	
	Number	Per cent	Number	Per cent	Number	Per cent	Number	Per cent
Male.....	27,511,862	73.4	6,255,071	88.4	3,662,893	80.2	647,978	78.0
10 to 13 years.....	91,449	2.2	321	.5	66,323	13.3	4,167	4.8
14 and 15 years.....	205,931	10.1	2,202	6.3	83,727	34.5	6,622	17.8
16 and 17 years.....	772,196	38.6	24,584	43.2	149,853	61.2	17,861	47.1
18 and 19 years.....	1,314,411	68.9	62,431	77.6	190,823	81.7	32,103	76.5
20 to 24 years.....	3,875,562	89.2	298,518	93.5	517,707	93.5	107,718	91.9
25 to 29 years.....	3,618,047	97.0	504,561	97.9	483,423	96.6	108,235	96.0
30 to 34 years.....	3,327,876	97.6	639,702	98.3	403,604	96.9	83,018	96.8
35 to 39 years.....	3,261,217	97.6	876,374	98.2	418,037	97.1	76,013	97.2
40 to 44 years.....	2,702,381	97.5	942,667	98.0	329,762	97.2	61,751	97.2
45 to 49 years.....	2,342,080	97.1	850,530	97.5	314,200	97.2	53,284	96.9
50 to 54 years.....	1,999,902	95.6	690,811	95.6	268,330	96.7	39,988	95.3
55 to 59 years.....	1,556,049	93.1	509,352	91.9	166,770	95.6	24,600	92.6
60 to 64 years.....	1,141,958	87.5	402,831	83.3	123,515	92.6	16,436	85.8
65 to 69 years.....	727,512	77.0	263,369	69.7	72,646	87.7	9,373	77.2
70 to 74 years.....	410,154	59.4	116,780	48.0	38,786	76.2	4,513	61.0
75 years and over.....	205,784	33.5	56,045	23.5	30,228	54.2	3,559	41.6
Unknown.....	19,353	53.0	4,990	82.9	4,959	70.2	1,727	77.0

No. 47.—MALES AND FEMALES 10 YEARS OF AGE AND OVER GAINFULLY OCCUPIED: BY AGE FOR EACH PRINCIPAL CLASS OF THE POPULATION AND FOR EACH GENERAL DIVISION OF OCCUPATIONS, 1930—Continued

Sex and age	Native white		Foreign-born white		Negro		Other races	
	Number	Per cent	Number	Per cent	Number	Per cent	Number	Per cent
Female	7, 661, 508	20 5	1, 156, 056	18. 8	1, 840, 642	38. 9	93, 910	15. 2
10 to 13 years.....	29, 057	7	105	.2	41, 878	8. 4	2, 028	2. 4
14 and 15 years.....	80, 863	4. 1	1, 516	4. 4	48, 129	19. 1	2, 800	7. 6
16 and 17 years.....	403, 308	20 5	22, 991	38 6	81, 719	31. 7	6, 329	17. 4
18 and 19 years.....	762, 322	39 5	57, 692	64 5	113, 542	41. 5	8, 889	23 8
20 to 24 years.....	1, 848, 817	41 5	181, 553	52. 9	299, 103	46. 0	18, 075	21 6
25 to 29 years.....	1, 106, 705	29 0	154, 198	30 5	267, 688	46. 9	12, 820	17. 0
30 to 34 years.....	769, 781	22 3	122, 865	20 6	210, 157	46. 9	10, 124	16 8
35 to 39 years.....	682, 261	20 8	135, 152	18 4	219, 586	47. 7	9, 602	17 2
40 to 44 years.....	546, 923	20 0	124, 165	17. 0	166, 355	47. 8	7, 294	17 9
45 to 49 years.....	447, 514	19 1	109, 431	16. 0	144, 011	46 9	6, 020	17 6
50 to 54 years.....	362, 804	18 2	89, 029	15. 0	103, 328	45. 5	3, 889	16 7
55 to 59 years.....	261, 267	16 4	62, 370	13. 2	57, 173	42. 3	2, 493	15 0
60 to 64 years.....	176, 139	14 0	45, 237	10. 8	41, 711	38. 3	1, 698	13 2
65 to 69 years.....	102, 223	10 9	27, 511	8. 2	23, 513	32. 5	895	10 6
70 to 74 years.....	43, 758	7 1	12, 152	5 6	11, 328	23 5	431	7 9
75 years and over.....	24, 051	3 5	6, 669	2 7	8, 278	13. 2	409	5 4
Unknown.....	8, 725	28 1	1, 420	37. 3	3, 143	47. 1	114	15 9

Sex and age	Agriculture	Forestry and fishing	Extraction of minerals	Manufacturing and mechanical industries	Transportation and communication	Trade	Public service (not elsewhere classified)	Professional service	Domestic and personal service	Clerical occupations
Male	9, 562, 059	250, 140	983, 564	12, 224, 345	3, 561, 943	5, 118, 787	838, 622	1, 727, 650	1, 772, 200	2, 038, 494
10 to 13 years.....	139, 697	219	135	3, 493	506	14, 126	132	843	2, 506	603
14 and 15 years.....	203, 403	1, 330	1, 034	31, 696	7, 579	30, 088	327	3, 203	7, 943	11, 879
16 and 17 years.....	433, 082	5, 790	18, 336	233, 980	49, 105	93, 868	4, 224	14, 617	33, 612	77, 880
18 and 19 years.....	527, 910	10, 574	40, 670	434, 121	117, 400	158, 658	21, 049	33, 876	61, 146	144, 364
20 to 24 years.....	1, 156, 936	33, 572	130, 183	1, 566, 865	488, 773	548, 973	85, 809	189, 193	193, 758	415, 443
25 to 29 years.....	902, 211	31, 252	130, 251	1, 569, 965	541, 351	639, 810	96, 753	259, 527	211, 064	332, 082
30 to 34 years.....	825, 680	26, 960	123, 035	1, 501, 455	500, 921	670, 867	101, 168	233, 630	205, 957	264, 727
35 to 39 years.....	895, 899	28, 856	133, 188	1, 586, 037	480, 106	685, 919	99, 400	219, 188	225, 774	217, 747
40 to 44 years.....	849, 079	27, 353	120, 256	1, 410, 114	398, 055	591, 139	84, 764	189, 698	203, 921	162, 182
45 to 49 years.....	844, 949	25, 738	104, 392	1, 214, 428	329, 889	503, 299	78, 104	162, 528	177, 055	128, 712
50 to 54 years.....	802, 094	21, 363	76, 598	957, 615	251, 127	418, 090	76, 182	142, 300	148, 405	102, 267
55 to 59 years.....	662, 246	15, 218	50, 130	690, 130	174, 155	307, 423	65, 293	108, 043	109, 666	74, 467
60 to 64 years.....	539, 104	10, 517	30, 229	490, 122	120, 549	220, 388	55, 913	79, 425	84, 994	53, 602
65 to 69 years.....	385, 893	6, 413	15, 959	291, 323	66, 262	132, 350	39, 334	47, 373	57, 016	30, 967
70 to 74 years.....	241, 862	3, 131	6, 219	134, 647	28, 735	67, 689	20, 622	26, 687	31, 021	14, 530
75 years and over.....	147, 369	1, 489	2, 346	56, 980	8, 916	31, 869	8, 824	15, 775	15, 791	6, 258
Unknown.....	4, 645	315	593	11, 374	3, 514	4, 232	684	1, 744	2, 571	1, 357
Female	909, 939	329	759	1, 886, 307	281, 204	962, 680	17, 583	1, 526, 234	3, 180, 251	1, 986, 830
10 to 13 years.....	65, 866	3	2	1, 268	77	620	11	126	4, 995	100
14 and 15 years.....	60, 531	10	13	31, 809	555	4, 781	15	672	30, 701	4, 221
16 and 17 years.....	72, 989	18	76	164, 005	17, 233	44, 480	42	8, 458	129, 547	77, 499
18 and 19 years.....	67, 936	26	95	219, 666	41, 291	85, 063	96	74, 677	204, 153	249, 442
20 to 24 years.....	112, 811	36	147	396, 692	88, 858	181, 613	1, 562	419, 657	481, 358	664, 814
25 to 29 years.....	70, 047	29	71	236, 542	49, 175	122, 340	1, 981	287, 874	392, 392	380, 960
30 to 34 years.....	57, 833	32	70	181, 184	29, 586	106, 275	2, 132	185, 690	327, 764	222, 311
35 to 39 years.....	68, 689	40	75	178, 510	20, 943	112, 422	2, 504	156, 604	355, 605	152, 209
40 to 44 years.....	65, 157	39	52	144, 425	12, 839	96, 016	2, 442	119, 390	306, 597	97, 730
45 to 49 years.....	67, 113	25	53	113, 492	8, 275	78, 633	2, 196	93, 231	281, 591	62, 317
50 to 54 years.....	61, 344	22	39	85, 119	5, 474	57, 397	1, 914	74, 246	235, 668	37, 827
55 to 59 years.....	46, 234	20	31	57, 614	3, 268	35, 641	1, 289	49, 112	169, 858	20, 226
60 to 64 years.....	38, 200	10	14	35, 557	1, 962	20, 379	743	30, 322	125, 785	9, 813
65 to 69 years.....	26, 198	9	12	22, 072	894	10, 009	406	14, 721	76, 010	3, 811
70 to 74 years.....	16, 063	4	1	9, 435	333	4, 062	148	6, 007	35, 442	1, 169
75 years and over.....	12, 440	4	1	4, 068	157	1, 748	67	2, 727	17, 709	492
Unknown.....	438	2	2	1, 849	234	1, 151	35	2, 726	5, 076	1, 889

Source. Bureau of the Census, Department of Commerce.

No. 48.—GAINFUL WORKERS 10 YEARS OLD AND OVER: BY GENERAL DIVISIONS OF OCCUPATIONS AND SEX, CONTINENTAL UNITED STATES

[Per cent not shown where less than 0.1]

Year and general division of occupations	Number			Per cent distribution			Per cent of total	
	Total	Male	Female	Total	Male	Female	Male	Female
1920.....	41,614,248	33,064,737	8,549,511	100.0	100.0	100.0	78.5	20.5
Agriculture.....	10,665,812	9,582,666	1,083,146	25.6	29.0	12.7	89.8	10.2
Forestry and fishing.....	270,214	269,541	673	.6	.8	-----	99.8	.2
Extraction of minerals.....	1,090,223	1,087,359	2,864	2.6	3.3	-----	99.7	.3
Manufacturing and mechanical industries.....	12,831,879	10,901,527	1,930,352	30.8	33.0	22.6	85.0	15.0
Transportation and communication.....	3,096,829	2,872,559	224,270	7.4	8.7	2.6	92.8	7.2
Trade.....	4,257,084	3,585,701	671,983	10.2	10.8	7.9	84.2	15.8
Public service (not elsewhere classified).....	738,525	727,939	10,586	1.8	2.2	1	98.6	1.4
Professional service.....	2,171,251	1,154,221	1,017,030	5.2	3.5	11.9	53.2	46.8
Domestic and personal service.....	3,379,905	1,193,313	2,186,682	8.1	3.6	23.6	35.3	64.7
Clerical occupations.....	3,111,836	1,689,911	1,421,925	7.5	5.1	16.6	51.3	48.7
1930.....	48,829,920	38,077,804	10,752,116	100.0	100.0	100.0	78.0	22.0
Agriculture.....	10,471,998	9,562,059	909,939	21.4	25.1	8.5	91.3	8.7
Forestry and fishing.....	250,469	250,140	329	.5	.7	-----	99.9	.1
Extraction of minerals.....	984,323	983,564	759	2.0	2.6	-----	99.9	.1
Manufacturing and mechanical industries.....	14,110,652	12,224,345	1,886,307	28.9	32.1	17.5	86.6	13.4
Transportation and communication.....	3,843,147	3,561,943	281,204	7.9	9.4	2.6	92.7	7.3
Trade.....	6,081,467	5,118,787	962,680	12.5	13.4	9.0	84.2	15.8
Public service (not elsewhere classified).....	856,205	838,622	17,583	1.8	2.2	.2	97.9	2.1
Professional service.....	3,253,884	1,727,650	1,526,234	6.7	4.5	14.2	53.1	46.9
Domestic and personal service.....	4,952,451	1,772,200	3,180,251	10.1	4.7	29.6	35.8	64.2
Clerical occupations.....	4,025,324	2,038,494	1,986,830	8.2	5.4	18.5	50.6	49.4

Source: Bureau of the Census, Department of Commerce.

No. 49.—GAINFUL WORKERS 10 YEARS OLD AND OVER: BY OCCUPATION AND SEX, CONTINENTAL UNITED STATES

[The 1920 figures for certain division totals have been corrected to conform with the 1930 classification]

Occupation	1920			1930		
	Total	Male	Female	Total	Male	Female
All occupations.....	41,614,248	33,064,737	8,549,511	48,829,920	38,077,804	10,752,116
Agriculture ¹	10,665,812	9,582,666	1,083,146	10,471,998	9,562,059	909,939
Farmers (owners and tenants).....	6,387,360	6,121,783	265,577	6,012,012	5,749,367	262,645
Farm managers and foremen.....	92,324	77,984	14,340	67,222	66,259	963
Farm laborers.....	4,186,128	3,382,899	803,229	4,392,764	3,746,433	646,331
Wage workers ²	2,336,009	2,109,422	226,587	2,732,972	2,561,649	171,323
Unpaid family workers ²	1,850,119	1,273,477	576,642	1,659,792	1,184,784	475,008
Forestry and fishing.....	270,214	269,541	673	250,469	250,140	329
Fishermen and oystermen.....	52,836	52,457	379	73,280	73,071	209
Foresters, forest rangers, and timber cruisers.....	3,653	3,651	2	8,057	8,042	15
Owners and managers of log and timber camps.....	8,410	8,397	13	6,899	6,889	10
Owners and proprietors.....	6,315	6,307	8	5,650	5,641	9
Managers and officials.....	2,095	2,090	5	1,249	1,248	1
Lumbermen, raftsmen, and wood choppers.....	205,315	205,036	279	162,233	162,138	95

¹ Because of changes made in 1930 in the classification of agricultural pursuits, it is impossible to group the 1920 occupations exactly according to the 1930 classification. It is believed, however, that the effect of the difference in grouping on the comparability of figures here presented is negligible. Figures have been adjusted to exclude those employed on turpentine farms classified in "Agriculture" in 1920 (see Note 5).

² Since, in 1920, only farm laborers on general farms were distinguished as working on "home farm" or "working out," farm laborers on dairy farms, stock farms, truck farms, poultry farms, etc., who were, in fact, working on the "home farm" as "unpaid family workers" were not included in "Farm laborers (home farm)." Hence, as here compiled for 1920, the number of farm laborers classified as "Wage workers" probably is somewhat too large, and the number classified as "Unpaid family workers" somewhat too small.

No. 49.—GAINFUL WORKERS 10 YEARS OLD AND OVER: BY OCCUPATION AND SEX, CONTINENTAL UNITED STATES—Continued

Occupation	1920			1930		
	Total	Male	Female	Total	Male	Female
Extraction of minerals	1,090,223	1,087,359	2,864	984,323	983,584	759
Operators, managers, and officials.....	34,325	34,143	182	30,896	30,755	141
Operators.....	17,334	17,216	118	15,511	15,423	88
Managers and officials.....	16,991	16,927	64	15,385	15,332	53
Foremen, overseers, and inspectors.....	36,931	36,923	8	34,286	34,274	12
Coal mine operatives.....	733,936	732,441	1,495	621,661	621,545	116
Copper mine operatives.....	36,054	35,918	136	30,939	30,936	3
Gold and silver mine operatives.....	32,700	32,666	34	18,157	18,148	9
Iron mine operatives.....	38,704	38,605	99	24,248	24,245	3
Lead and zinc mine operatives.....	20,798	20,749	49	16,154	16,153	1
Other and not specified mine operatives.....	20,591	20,533	58	33,346	33,316	30
Quarry operatives.....	45,162	45,084	78	65,288	65,263	25
Oil and gas well operatives.....	85,550	85,303	247	105,224	105,212	12
Salt well and works operatives.....	5,472	4,994	478	4,124	3,717	407
Manufacturing and mechanical industries	12,831,879	10,901,527	1,930,352	14,110,652	12,224,345	1,886,307
Apprentices to building and hand trades.....	73,953	73,897	56	40,133	40,105	28
Carpenters' apprentices.....	4,806	4,797	8	4,138	4,133	5
Electricians' apprentices.....	9,562	9,557	5	4,611	4,604	7
Machinists' apprentices ¹	39,463	39,445	15	13,606	13,600	6
Plumbers' apprentices.....	7,386	7,386	-----	5,937	5,937	-----
Apprentices to other building and hand trades.....	12,737	12,709	28	11,841	11,831	10
Apprentices to dressmakers and milliners.....	4,326	17	4,309	2,181	20	2,161
Apprentices to printers and bookbinders.....	11,603	10,366	1,237	10,928	10,575	353
Other apprentices in manufacturing ²	50,518	46,687	3,831	24,210	22,855	1,355
Bakers.....	97,940	93,347	4,593	140,800	131,884	8,916
Blacksmiths, forgemen, and hammermen.....	221,421	221,416	5	147,469	147,460	9
Boilermakers.....	74,088	74,088	-----	49,923	49,923	-----
Brick and stone masons and tile layers.....	131,264	131,257	7	170,903	170,896	7
Builders and building contractors.....	90,109	90,030	79	167,512	167,310	202
Cabinetmakers.....	45,511	45,503	8	57,897	57,890	7
Carpenters.....	887,379	887,208	171	929,426	929,376	50
Compositors, linotypers, and typesetters.....	140,165	128,859	11,306	183,632	173,363	10,269
Coopers.....	19,066	19,061	5	11,347	11,347	-----
Dressmakers and seamstresses (not in factory).....	235,855	336	235,519	158,380	452	157,928
Dyers.....	15,109	14,978	131	17,719	17,425	294
Electricians.....	212,964	212,945	19	280,317	280,279	38
Electrotypers, stereotypers, and lithographers.....	13,716	13,530	186	16,692	16,448	244
Engineers (stationary), cranimen, etc.....	279,984	279,940	44	316,954	316,942	22
Engineers (stationary).....	242,865	242,064	82	256,078	256,060	18
Cranemen, derrickmen, hoistmen, etc.....	37,888	37,876	12	60,886	60,882	4
Engravers.....	16,053	14,492	561	19,437	18,747	690
Files, grinders, buffers, and polishers (metal).....	59,785	57,315	2,470	78,600	76,264	2,336
Firemen (except locomotive and fire dept.).....	143,875	143,862	13	127,294	127,293	1
Foremen and overseers (manufacturing) ³	308,137	277,966	30,171	338,504	310,037	28,467
Furnace men, smelter men, heaters, puddlers, etc.....	40,806	40,800	6	35,166	35,165	1
Glass blowers.....	9,144	9,055	89	3,268	3,209	59
Jewelers, watchmakers, goldsmiths, and silversmiths.....	39,592	37,914	1,678	38,662	37,408	1,254
Loom fixers.....	15,961	15,958	3	19,215	19,180	35
Machinists, millwrights, and toolmakers.....	894,662	894,654	8	761,095	761,075	20
Machinists.....	801,901	801,896	5	640,289	640,285	4
Millwrights.....	37,669	37,669	-----	42,012	42,006	6
Toolmakers and die setters and sinkers.....	55,092	55,089	3	78,794	78,784	10
Managers and officials (manufacturing) ⁴	249,950	241,619	8,331	312,756	302,334	10,422
Manufacturers ⁵	183,695	178,750	4,945	207,901	202,190	5,711
Mechanics (n o s) ⁶	281,741	281,690	51	638,253	638,190	63
Air transportation.....	()	()	()	3,406	3,405	1
Automobile factories, garages, repair shops.....	()	()	()	394,188	394,169	19
Railroad and car shops.....	()	()	()	21,847	21,847	-----
Other industries.....	()	()	()	218,812	218,769	43
Millers (grain, flour, feed, etc.).....	23,272	23,265	7	15,946	15,906	40
Milliners and millinery dealers.....	73,255	3,657	69,598	44,948	4,846	40,102
Molders, founders, and casters (metal).....	123,681	123,668	13	105,158	105,139	19
Oilers of machinery.....	24,612	24,568	44	31,210	31,169	41

¹ Many of the machinists' apprentices probably are machine tenders² Includes, for 1920, groups otherwise classified in 1930 as follows: Apprentices, steam railroad, telegraph and telephone, other transportation and communication, Architects', designers', and draftsmen's apprentices, Apprentices to other professional persons³ "Manufacturing and mechanical industries" in 1920 was transferred to "Professional service" in 1930⁴ Persons employed on turpentine farms classified in "Agriculture, forestry, etc.," in 1920, were transferred to "Manufacturing and Mechanical Industries" in 1930⁵ Not otherwise specified⁶ Comparable figures for 1920 not available.⁷ Figures are not comparable with data for 1930.

No. 49.—GAINFUL WORKERS 10 YEARS OLD AND OVER: BY OCCUPATION AND SEX, CONTINENTAL UNITED STATES—Continued

Occupation	1920			1930		
	Total	Male	Female	Total	Male	Female
Manufacturing, etc.—Continued.						
Painters, glaziers, varnishers, etc.	323, 032	310, 697	3, 335	528, 931	524, 150	4, 781
Enamellers, lacquerers, and japanners	4, 137	3, 168	969	5, 758	4, 622	1, 136
Painters, glaziers, and varnishers						
Building	218, 497	218, 391	103	430, 105	429, 982	123
Factory	70, 398	68, 135	2, 263	93, 068	89, 546	3, 522
Paper hangers	18, 746	18, 338	408	28, 328	26, 872	1, 456
Pattern and model makers	27, 720	27, 663	57	29, 750	29, 711	39
Piano and organ tuners	7, 047	7, 007	40	6, 823	6, 799	24
Plasterers and cement finishers	45, 876	45, 870	6	83, 480	85, 477	3
Plumbers and gas and steam fitters	206, 718	206, 715	3	237, 814	237, 813	1
Pressmen and plate printers (printing)	18, 683	18, 683	—	31, 215	31, 215	—
Rollers and roll hands (metal)	25, 061	25, 061	—	30, 765	30, 765	—
Roofers and slaters	11, 378	11, 378	—	23, 636	23, 636	—
Sawyers	33, 809	34, 800	9	36, 064	35, 984	80
Shoemakers and cobblers (not in factory)	78, 859	78, 599	260	76, 388	76, 127	261
Skilled occupations (not elsewhere classified)	12, 348	12, 319	29	12, 258	12, 227	31
Stonecutters	22, 059	22, 046	3	22, 886	22, 887	1
Structural iron workers (building)	18, 536	18, 536	—	28, 966	28, 966	—
Tailors and tailoresses	192, 242	160, 404	31, 838	169, 283	147, 476	21, 807
Tinsmiths and coppersmiths	74, 968	74, 457	11	84, 427	83, 421	6
Upholsterers	29, 605	27, 338	2, 267	51, 452	49, 097	2, 355
Operatives (n o s):						
Building industry	7, 003	6, 983	20	18, 442	18, 419	23
Chemical and allied industries	\$ 70, 416	\$ 51, 287	\$ 19, 129	117, 467	88, 604	28, 863
Charcoal and coke works	1, 722	1, 692	30	1, 587	1, 572	15
Explosives, ammunition, and fireworks factories	7, 379	4, 811	2, 568	5, 904	3, 322	2, 582
Fertilizer factories	1, 407	1, 352	55	1, 538	1, 484	54
Gas works	9, 462	9, 294	168	13, 896	13, 873	23
Paint and varnish factories	5, 521	5, 521	—	8, 297	7, 294	1, 031
Petroleum refineries	8, 891	8, 229	662	25, 274	24, 781	493
Rayon factories	(⁶)	(⁶)	(⁶)	20, 940	10, 087	10, 853
Soap factories	6, 288	3, 239	3, 049	5, 289	3, 405	1, 884
Other chemical factories	29, 746	17, 984	11, 762	34, 742	22, 814	11, 928
Cigar and tobacco factories	145, 222	61, 202	83, 960	103, 715	35, 767	67, 948
Clay, glass, and stone industries	85, 434	72, 269	13, 165	96, 342	80, 630	15, 712
Brick, tile, and terra cotta factories	9, 987	9, 357	630	12, 884	11, 535	1, 349
Glass factories	44, 831	37, 636	7, 195	40, 853	33, 554	7, 299
Lime, cement, and artificial stone factories	7, 633	7, 426	207	11, 395	11, 069	326
Marble and stone yards	5, 546	5, 478	68	7, 963	7, 953	10
Potteries	17, 437	12, 372	5, 065	23, 247	16, 519	6, 728
Clothing industries	409, 361	143, 718	265, 643	488, 909	142, 158	346, 751
Corset factories	12, 642	1, 115	11, 527	10, 921	852	10, 069
Glove factories	23, 357	6, 584	16, 773	18, 465	4, 955	13, 510
Hat factories (felt)	21, 178	14, 716	6, 462	26, 454	17, 981	8, 473
Shirt, collar, and cuff factories	52, 377	10, 361	42, 016	55, 471	9, 768	45, 703
Suit, coat, and overall factories	143, 872	79, 357	64, 515	106, 773	50, 190	56, 583
Other clothing factories	155, 935	31, 585	124, 350	270, 825	58, 172	212, 653
Food and allied industries	204, 550	131, 453	73, 097	224, 416	135, 830	88, 586
Bakeries	20, 441	8, 858	11, 583	27, 901	12, 602	15, 299
Butter, cheese, condensed milk factories	18, 841	10, 096	2, 745	25, 707	21, 331	4, 376
Candy factories	52, 281	20, 913	31, 368	44, 470	17, 454	27, 046
Fish curing and packing	7, 586	4, 363	3, 223	6, 796	3, 695	3, 097
Flour and grain mills	8, 112	7, 524	588	6, 572	6, 329	552
Fruit and vegetable canning, etc.	10, 204	3, 898	6, 306	18, 748	5, 196	13, 552
Slaughter and packing houses	49, 991	41, 906	8, 085	53, 059	44, 052	10, 007
Sugar factories and refineries	3, 806	3, 144	662	3, 778	3, 070	708
Other food factories	17, 633	9, 791	7, 842	25, 898	12, 743	13, 155
Liquor and beverage industries	15, 655	14, 960	695	11, 187	10, 413	774
Iron and steel, machinery, and vehicle industries	689, 980	632, 161	57, 819	651, 398	590, 635	60, 763
Agricultural implement factories	7, 722	7, 136	586	8, 782	8, 281	501
Automobile factories	121, 164	108, 376	12, 788	161, 957	142, 925	19, 032
Automobile repair shops	(⁶)	(⁶)	(⁶)	9, 452	9, 407	45
Blast furnaces and steel rolling mills ¹⁰	93, 627	89, 526	4, 101	106, 664	103, 575	3, 089
Car and railroad shops	97, 979	97, 003	976	65, 008	64, 573	435
Ship and boat building	97, 666	97, 175	491	19, 969	19, 904	65
Wagon and carriage factories	9, 430	8, 749	681	2, 766	2, 517	249
Other iron and steel and machinery factories ¹¹	\$ 245, 450	\$ 209, 112	\$ 36, 338	248, 911	213, 952	34, 959
Not specified metal industries	16, 942	15, 084	1, 858	27, 889	25, 501	2, 388

⁶ Not otherwise specified⁸ The few operatives and laborers in rayon factories in 1920 were classified with operatives and laborers, respectively, in "Not specified textile mills"⁹ Automobile repair shops included in "other iron and steel factories"¹⁰ Includes tin-plate mills¹¹ Includes iron foundries.

No. 49.—GAINFUL WORKERS 10 YEARS OLD AND OVER: BY OCCUPATION AND SEX, CONTINENTAL UNITED STATES—Continued

Occupation	1920			1930		
	Total	Male	Female	Total	Male	Female
Manufacturing, etc.—Continued.						
Operatives (n. o. s.⁶)—Continued.						
Metal industries (except iron and steel) ..	91,291	60,844	30,447	91,852	61,049	30,803
Brass mills.....	17,482	13,576	3,906	14,834	11,606	3,228
Clock and watch factories.....	18,244	10,043	8,201	15,036	8,492	6,544
Copper factories.....	2,986	2,834	152	2,950	2,824	126
Gold and silver factories.....	6,239	4,432	1,807	5,902	3,877	2,025
Jewelry factories.....	15,083	8,946	6,137	13,970	7,766	6,213
Lead and zinc factories.....	2,464	2,186	278	2,014	1,840	174
Tinware, enamelware, etc., factories.....	19,356	12,167	7,189	23,280	15,250	8,040
Other metal factories.....	9,437	6,660	2,777	13,847	9,394	4,453
Leather industries.....	279,231	196,437	82,794	267,518	175,788	91,750
Harness and saddle factories.....	18,135	17,573	562	7,164	6,890	274
Leather belt, leather goods, etc., factories ¹²	17,189	12,809	4,380	16,533	11,080	5,453
Shoe factories.....	206,225	132,813	73,412	209,928	128,377	81,551
Tanneries.....	32,226	28,598	3,628	28,963	25,395	3,568
Trunk, suitcase, and bag factories ¹²	5,450	4,644	812	4,900	4,026	874
Lumber and furniture industries.....	168,719	150,079	18,640	177,457	157,861	19,596
Furniture factories.....	55,717	48,906	6,811	75,235	66,131	9,104
Piano and organ factories.....	19,852	16,849	2,903	8,177	7,535	642
Saw and planing mills ¹³	57,320	54,016	3,304	58,968	56,389	2,579
Other woodworking factories.....	35,830	30,208	5,622	35,059	27,806	7,253
Paper, printing, and allied industries.....	155,524	87,679	67,845	165,911	102,421	63,490
Blank book, envelope, tag, paper bag, etc., factories.....	13,694	5,117	8,577	17,127	6,488	10,639
Paper and pulp mills.....	54,660	41,321	13,348	63,629	49,709	13,920
Paper box factories.....	20,452	7,077	13,375	14,284	5,767	8,517
Printing, publishing, and engraving.....	66,709	34,164	32,545	70,871	40,457	30,414
Textile industries—						
Cotton mills.....	302,454	153,269	149,185	302,501	156,818	145,683
Knitting mills.....	107,604	26,922	80,682	134,006	44,203	89,803
Silk mills.....	115,721	42,953	72,768	125,770	52,080	73,690
Textile dyeing, finishing, and printing mills.....	17,736	12,154	5,582	19,613	13,947	5,666
Woolen and worsted mills.....	126,418	64,703	61,715	101,821	52,761	49,060
Other textile mills.....	¹⁴ 122,464	¹⁴ 54,033	¹⁴ 68,431	133,660	65,312	68,348
Carpet mills.....	23,387	13,003	10,384	28,609	16,486	12,123
Hemp, jute, and linen mills.....	6,742	2,811	3,931	4,503	2,074	2,429
Lace and embroidery mills.....	19,083	6,086	12,997	11,417	4,221	7,196
Rope and cordage factories.....	8,454	4,714	3,740	5,469	3,067	2,402
Sail, awning, and tent factories.....	3,543	2,538	1,005	4,275	2,566	1,709
Other and not specified textile mills.....	¹⁴ 61,255	¹⁴ 24,881	¹⁴ 36,374	79,387	36,898	42,489
Miscellaneous manufacturing industries.....	536,832	344,568	192,264	536,103	353,744	182,364
Broom and brush factories.....	12,606	10,219	2,387	9,521	7,622	1,899
Button factories.....	12,977	7,768	5,209	7,565	4,496	3,069
Electric light and power plants.....	15,949	15,610	339	49,269	49,218	51
Electrical machinery and supply factories.....	64,841	37,452	27,389	117,327	72,012	45,315
Rubber factories.....	86,204	67,370	18,834	80,835	59,546	21,289
Straw factories.....	14,102	7,751	6,351	1,818	584	1,234
Turpentine farms and distilleries.....	1,138	1,130	8	1,368	1,360	8
Other and not specified manufacturing.....	¹⁵ 329,015	¹⁵ 197,268	¹⁵ 131,747	¹⁵ 268,405	¹⁵ 158,006	¹⁵ 109,499
Not specified industries and services.....	329,015	197,268	131,747	153,152	123,252	29,900
Laborers (n. o. s.⁶)						
Building, general, and not specified laborers.....	686,722	671,487	15,235	1,115,667	1,104,132	11,535
Laborers and helpers, building construction.....	(7)	(7)	(7)	419,802	419,675	127
General and not specified laborers.....	(7)	(7)	(7)	695,865	684,457	11,408
Chemical and allied industries.....	16 134,313	16 130,699	16 3,614	151,918	148,507	3,411
Charcoal and coke works.....	9,384	9,352	32	4,783	4,772	11
Explosives, ammunition, and fire-works factories.....	8,467	7,821	646	5,047	4,447	600
Fertilizer factories.....	12,943	12,808	135	18,243	18,157	86
Gas works.....	18,845	13,787	58	28,897	28,884	13
Paint and varnish factories.....	4,841	4,677	164	6,171	6,017	154
Petroleum refineries.....	31,795	31,566	229	40,816	40,645	171
Rayon factories.....	(16)	(16)	(16)	4,962	4,451	511
Soap factories.....	4,715	4,346	369	4,799	4,566	233
Other chemical factories.....	43,323	41,342	1,981	38,200	36,568	1,632

⁶ Not otherwise specified.⁷ Comparable figures for 1920 not available.⁸ Operatives and laborers in leather bag factories, included in the group, "Leather belt, leather case, etc., factories" in 1920, were transferred to the group, "Trunk, suit case, and bag factories" in 1930.⁹ Includes box factories (wood).¹⁰ Some operatives and laborers included in "Other and not specified manufacturing" in 1920 were classified in "Other and not specified textile mills" in 1930. "Helpers in motion-picture production," included in "Operatives, other miscellaneous manufacturing and mechanical industries" in 1920, were classified in "Professional service" in 1930.¹¹ See note 8, p. 57 and note 15 below.¹² See note 8, p. 57.

No. 49.—GAINFUL WORKERS 10 YEARS OLD AND OVER: BY OCCUPATION AND SEX, CONTINENTAL UNITED STATES—Continued

Occupation	1920			1930		
	Total	Male	Female	Total	Male	Female
Manufacturing, etc.—Continued.						
Laborers (n. o. s.)—Continued						
Cigar and tobacco factories.....	35, 157	21, 295	13, 862	20, 581	14, 094	6, 487
Clay, glass, and stone industries.....	124, 544	120, 215	4, 329	145, 665	142, 065	3, 570
Brick, tile, and terra-cotta factories.....	48, 636	48, 099	537	59, 543	58, 792	751
Glass factories.....	28, 937	26, 461	2, 476	28, 105	26, 362	1, 746
Lime, cement, and artificial-stone factories.....	30, 051	29, 884	167	38, 634	38, 475	159
Marble and stone yards.....	5, 084	5, 061	23	8, 102	8, 097	5
Potteries.....	11, 836	10, 710	1, 126	11, 278	10, 369	909
Clothing industries.....	12, 776	6, 414	6, 362	15, 293	8, 558	6, 735
Corset factories.....	771	194	577	350	133	217
Glove factories.....	1, 757	899	858	1, 159	550	609
Hat factories (felt).....	989	825	164	1, 142	966	176
Shirt, collar, and cuff factories.....	2, 708	1, 317	1, 391	4, 136	2, 314	1, 822
Suit, coat, and overall factories.....	3, 984	2, 219	1, 765	3, 794	2, 456	1, 338
Other clothing factories.....	2, 667	960	1, 607	4, 712	2, 139	2, 573
Food and allied industries.....	170, 065	153, 692	16, 373	154, 886	136, 802	18, 084
Bakeries.....	8, 315	6, 869	1, 446	12, 362	10, 786	1, 576
Butter, cheese, and condensed-milk factories.....	15, 190	14, 174	1, 016	17, 433	16, 518	915
Candy factories.....	6, 581	4, 393	2, 188	5, 552	4, 080	1, 472
Fish curing and packing.....	6, 900	5, 261	1, 639	6, 172	4, 596	1, 576
Flour and grain mills.....	18, 121	17, 983	138	16, 997	15, 839	158
Fruit and vegetable canning, etc.....	13, 058	9, 743	3, 315	19, 544	14, 987	4, 557
Slaughter and packing houses.....	59, 548	55, 436	4, 112	43, 045	39, 384	3, 661
Sugar factories and refineries.....	15, 733	15, 414	319	9, 298	9, 038	260
Other food factories.....	16, 686	14, 119	2, 567	16, 968	13, 281	3, 687
Liquor and beverage industries.....	10, 530	10, 295	235	8, 515	8, 293	222
Iron and steel, machinery, and vehicle industries.....	729, 613	717, 022	12, 591	662, 131	652, 027	10, 104
Agricultural-implement factories.....	11, 409	11, 292	117	10, 873	10, 735	138
Automobile factories.....	83, 341	80, 874	2, 467	123, 717	120, 150	3, 567
Automobile repair shops.....	(⁹)	(⁹)	(⁹)	12, 653	12, 617	36
Blast furnaces and steel rolling mills ¹⁰	258, 830	256, 548	2, 282	235, 726	234, 524	1, 202
Car and railroad shops.....	53, 643	53, 280	363	37, 789	37, 542	247
Ship and boat building.....	69, 196	68, 917	279	17, 352	17, 325	27
Wagon and carriage factories.....	9, 817	9, 594	223	1, 419	1, 406	13
Other iron and steel and machinery factories ¹¹	⁹ 179, 607	⁹ 173, 734	⁹ 5, 873	171, 814	167, 634	4, 280
Not specified metal industries.....	63, 770	62, 783	987	50, 788	50, 194	594
Metal industries (except iron and steel).....	67, 887	62, 771	5, 116	62, 398	58, 913	3, 485
Brass mills.....	18, 485	17, 614	871	14, 809	14, 411	398
Clock and watch factories.....	3, 108	1, 929	1, 178	1, 646	1, 018	528
Copper factories.....	10, 963	10, 908	55	8, 013	7, 950	63
Gold and silver factories.....	2, 272	2, 061	211	1, 199	1, 098	101
Jewelry factories.....	1, 421	1, 255	166	1, 397	1, 328	69
Lead and zinc factories.....	8, 927	8, 859	68	8, 116	8, 093	23
Tinware, enamelware, etc., factories.....	17, 605	15, 436	2, 169	20, 181	18, 313	1, 868
Other metal factories.....	5, 106	4, 709	397	8, 137	7, 702	435
Leather industries.....	54, 639	48, 167	6, 472	38, 601	33, 003	5, 598
Harness and saddle factories.....	1, 885	1, 727	158	501	469	32
Leather-belt, leather-goods, etc., factories ¹⁷	3, 578	3, 274	304	1, 930	1, 701	229
Shoe factories.....	19, 210	14, 194	5, 016	18, 389	13, 647	4, 742
Tanneries.....	27, 480	26, 703	777	16, 809	16, 296	513
Trunk, suitcase, and bag factories ¹⁷	2, 486	2, 269	217	972	890	82
Lumber and furniture industries.....	320, 613	309, 874	10, 739	333, 539	326, 071	7, 468
Furniture factories.....	35, 272	32, 600	2, 672	39, 802	38, 321	1, 481
Piano and organ factories.....	5, 321	4, 596	725	1, 664	1, 566	98
Saw and planing mills ¹³	245, 683	241, 334	4, 349	251, 741	248, 803	2, 938
Other woodworking factories.....	34, 337	31, 344	2, 993	40, 332	37, 381	2, 951
Paper, printing, and allied industries.....	67, 083	61, 073	6, 010	69, 373	64, 175	5, 198
Blank-book, envelope, tag, paper-bag, etc., factories.....	3, 455	2, 646	809	3, 926	3, 072	854
Paper and pulp mills.....	52, 263	49, 786	2, 477	52, 038	49, 677	2, 361
Paper-box factories.....	3, 384	2, 401	983	2, 587	1, 986	601
Printing, publishing, and engraving.....	7, 981	6, 240	1, 741	10, 822	9, 440	1, 382
Textile industries—						
Cotton mills.....	76, 315	59, 646	16, 669	55, 519	46, 439	9, 080
Knitting mills.....	11, 943	6, 603	5, 340	9, 412	5, 884	3, 528
Silk mills.....	10, 080	7, 350	2, 730	11, 078	8, 920	2, 158
Textile dyeing, finishing, and printing mills.....	10, 605	9, 885	720	7, 571	7, 257	314
Woolen and worsted mills.....	22, 227	18, 238	3, 989	13, 753	11, 955	1, 798

⁶ Not otherwise specified.⁹ Automobile repair shops included in "Other iron and steel factories".¹⁰ Includes tin-plate mills.¹³ Includes box factories (wood).¹⁴ Includes iron foundries.¹⁷ See note 12, p. 58.

No. 49.—GAINFUL WORKERS 10 YEARS OLD AND OVER: BY OCCUPATION AND SEX, CONTINENTAL UNITED STATES—Continued

Occupation	1920			1930		
	Total	Male	Female	Total	Male	Female
Manufacturing, etc.—Continued.						
Laborers (n o s ¹⁴)—Continued.						
Textile industries—Continued						
Other textile mills.....	14 22, 140	14 18, 619	14 3, 521	23, 199	20, 320	2, 879
Carpet mills.....	3, 953	3, 378	575	4, 828	4, 236	592
Hemp, jute, and linen mills.....	1, 712	1, 474	238	961	853	98
Lace and embroidery mills.....	944	677	267	559	444	125
Rope and cordage factories.....	4, 268	3, 805	463	2, 921	2, 632	289
Sail, awning, and tent factories.....	283	237	46	721	661	60
Other and not specified textile mills.....	14 10, 980	14 9, 048	14 1, 932	13, 199	11, 484	1, 715
Miscellaneous mfg. industries ¹⁵	10 399, 988	10 364, 244	10 35, 744	322, 696	298, 609	24, 087
Broom and brush factories.....	2, 800	2, 407	393	2, 587	2, 217	370
Button factories.....	1, 407	1, 093	314	1, 129	940	189
Electric light and power plants.....	15, 417	15, 255	162	35, 665	35, 650	15
Electrical machinery and supply factories.....	26, 789	23, 562	3, 227	36, 885	33, 345	3, 540
Rubber factories.....	51, 467	47, 515	3, 952	29, 123	25, 980	3, 143
Straw factories.....	577	513	64	148	136	12
Turpentine farms and distilleries ¹⁵	25, 830	25, 395	435	37, 620	37, 313	307
Other and not specified mfg. industries.....	10 275, 701	10 248, 504	10 27, 197	179, 539	162, 875	16, 664
Transportation and communication.....	3, 096, 829	2, 872, 559	224, 270	3, 843, 147	3, 561, 943	281, 204
Water transportation²⁰						
Boatmen, canal men, and lock keepers.....	6, 319	6, 286	33	5, 643	5, 603	40
Captains, masters, mates, and pilots.....	26, 320	26, 318	2	24, 485	24, 482	3
Longshoremen and stevedores.....	85, 928	85, 605	323	73, 954	73, 944	10
Sailors and deck hands.....	54, 832	54, 800	32	64, 700	64, 692	8
Road and street transportation²⁰						
Bus conductors.....	(21)	(21)	(21)	1, 002	1, 002	-----
Chauffeurs and truck and tractor drivers ²²	285, 045	284, 096	949	972, 418	970, 916	1, 502
Draymen, teamsters, and carriage drivers ^{21, 23}	420, 189	419, 450	739	111, 224	111, 178	46
Garage owners, managers, and officials.....	42, 151	41, 944	207	69, 965	69, 543	422
Garage laborers.....	31, 450	31, 339	111	66, 693	66, 536	157
Hostlers and stable hands.....	18, 976	18, 973	3	6, 654	6, 654	-----
Laborers, truck, transfer, and cab companies.....	(24)	(24)	(24)	40, 970	40, 920	50
Laborers, road, street, etc., building and repairing.....	115, 836	115, 673	163	290, 354	290, 308	46
Laborers, street cleaning.....	11, 196	11, 192	4	16, 673	16, 672	1
Owners, managers, and officials, truck, transfer, and cab companies.....	23, 497	23, 231	266	41, 084	40, 508	576
Railroad transportation²⁰						
Baggage-men and freight agents.....	16, 819	16, 789	30	16, 377	16, 361	16
Boiler washers and engine hostlers.....	25, 305	25, 271	34	18, 300	18, 300	-----
Brakemen, steam railroad.....	114, 107	114, 107	-----	88, 197	88, 197	-----
Conductors, steam railroad.....	74, 539	74, 539	-----	73, 332	73, 332	-----
Conductors, street railroad.....	63, 700	63, 507	253	35, 697	35, 680	17
Foremen and overseers.....	79, 294	79, 216	78	79, 737	79, 682	55
Steam railroad.....	73, 046	72, 980	66	73, 910	73, 860	50
Street railroad.....	6, 248	6, 236	12	5, 827	5, 822	5
Laborers (includes construction laborers).....	495, 713	488, 650	7, 054	462, 474	459, 090	3, 384
Steam railroad.....	470, 199	463, 613	6, 586	435, 058	431, 947	3, 111
Street railroad.....	25, 514	25, 046	468	27, 416	27, 143	273
Locomotive engineers ²⁵	109, 899	109, 899	-----	101, 201	101, 201	-----
Locomotive firemen ²⁵	91, 345	91, 345	-----	67, 096	67, 096	-----
Motormen.....	66, 519	66, 499	20	60, 723	60, 718	5
Steam railroad.....	3, 560	3, 560	-----	2, 754	2, 754	-----
Street railroad.....	62, 959	62, 939	20	57, 969	57, 964	5
Officials and superintendents.....	35, 881	35, 830	51	37, 989	37, 963	26
Steam railroad.....	32, 426	32, 385	41	34, 380	34, 359	21
Street railroad.....	3, 455	3, 445	10	3, 609	3, 604	5
Switchmen, flagmen, and yardmen.....	111, 565	111, 000	565	102, 773	102, 484	289
Switchmen and flagmen, steam railroad.....	101, 917	101, 359	558	92, 217	91, 928	289
Switchmen and flagmen, street railroad.....	2, 500	2, 496	4	2, 608	2, 608	-----
Yardmen, steam railroad.....	7, 148	7, 145	3	7, 948	7, 948	-----
Ticket and station agents.....	20, 685	24, 324	2, 261	27, 160	25, 370	1, 790

⁶ Not otherwise specified¹⁴ See note 8, p. 57 and note 15, p. 58¹⁸ See note 5, p. 56¹⁹ See note 15, p. 58.²⁰ Selected occupations²¹ Not classified separately in 1920²² Neither in 1920 nor in 1930 was the attempt to distinguish chauffeurs and motor truck drivers from draymen, teamsters, and carriage drivers very successful²³ Teamsters in agriculture, forestry, and the extraction of minerals are classified with the other workers in those industries, respectively; drivers for bakeries and stores are classified as deliverymen in trade, and drivers for laundries are classified as deliverymen in domestic and personal service²⁴ Included with "Draymen, teamsters, and expressmen" in 1920²⁵ Because of indefinite returns by census enumerators, it is probable that some stationary engineers were included with locomotive engineers, and some firemen of stationary boilers with locomotive firemen.

No. 49.—GAINFUL WORKERS 10 YEARS OLD AND OVER: BY OCCUPATION AND SEX, CONTINENTAL UNITED STATES—Continued

Occupation	1920			1930		
	Total	Male	Female	Total	Male	Female
Transportation, etc.—Continued.						
Express, post, radio, telegraph, and telephone ²⁰						
Agents, express companies	5,293	5,193	100	4,176	4,102	74
Express messengers and railway mail clerks	25,005	24,996	9	25,608	25,600	8
Express messengers	9,138	9,129	9	8,211	8,207	4
Railway mail clerks	15,867	15,867		17,397	17,393	4
Mail carriers	91,451	90,131	1,320	121,333	120,204	1,129
Postmasters ²⁰	31,935	20,727	11,208	34,421	20,818	13,603
Radio operators	(²¹)	(²¹)	(²¹)	4,955	4,909	46
Telegraph and telephone linemen	37,917	37,905	12	71,625	71,624	1
Telegraph messengers	9,403	8,969	434	16,176	15,997	179
Telegraph operators	27 79,434	27 62,574	27 16,860	67,821	51,699	16,122
Telephone operators	190,160	11,781	178,379	248,884	13,625	235,259
Other transportation and communication						
Apprentices, steam railroad, telegraph and telephone, and other transportation, etc.	(²⁴)	(²⁴)	(²⁴)	6,151	6,097	54
Aviators ²⁵	1,312	1,304	8	6,097	6,031	66
Foremen and overseers (n o s ⁶)	29,863	29,824	39	52,135	52,061	74
Air transportation	(²¹)	(²¹)	(²¹)	181	181	
Garages, greasing stations, and automobile laundries	(³⁰)	(³⁰)	(³⁰)	6,652	6,650	2
Road, street, etc., building and repairing	9,558	9,557	1	23,250	23,249	1
Telegraph and telephone	6,822	6,797	25	11,172	11,112	60
Other transp. and communication	30 13,483	30 13,470	30 13	10,880	10,869	11
Inspectors	50,233	49,848	385	52,120	50,965	1,155
Steam railroad	42,721	42,675	46	39,079	39,069	13
Street railroad	3,451	3,445	6	3,330	3,323	5
Telegraph and telephone	2,821	2,491	330	4,173	3,040	1,133
Other transp. and communication	1,240	1,237	3	5,538	5,531	4
Laborers (n o s ⁶)	33,432	33,229	203	51,093	50,998	65
Air transportation	(²¹)	(²¹)	(²¹)	1,609	1,602	7
Express companies	9,089	9,067	22	7,086	7,085	1
Pipe lines	7,369	7,362	7	13,704	13,700	4
Telegraph and telephone	5,088	5,011	77	12,674	12,647	27
Water transportation	5,966	5,963	3	11,329	11,327	2
Other transp. and communication	5,920	5,826	94	4,661	4,637	24
Proprietors, managers, and officials (n o s ⁶)	30,197	29,552	645	37,990	34,987	3,003
Air transportation	(²¹)	(²¹)	(²¹)	1,090	1,085	5
Telegraph and telephone	11,603	11,059	544	18,957	16,084	2,873
Other transp. and communication	18,594	18,493	101	17,943	17,818	125
Other occupations	48,124	46,634	1,490	85,717	83,794	1,923
Road, street, etc., building and repairing	4,435	4,331	104	8,565	8,524	41
Steam railroad	28,621	27,916	705	42,619	42,011	608
Street railroad	9,259	9,088	171	13,375	13,242	133
Other transp. and communication	5,809	5,299	510	21,158	20,017	1,141
Trade	4,257,684	3,585,701	671,983	6,081,467	5,118,787	962,680
Advertising agents	(³¹)	(³¹)	(³¹)	49,020	43,364	5,656
Apprentices, wholesale and retail trade	(²⁵)	(²⁵)	(²⁵)	2,444	2,367	107
Bankers, brokers, and money lenders	161,613	156,309	5,304	221,604	212,312	9,192
Bankers and bank officials	82,375	78,149	4,226	93,356	87,429	5,927
Commercial brokers and commission men	27,532	27,358	194	23,638	22,382	256
Loan brokers and pawnbrokers	5,473	5,321	152	13,562	12,980	682
Stock brokers	29,609	29,233	376	70,950	69,137	1,793
Brokers not specified and promoters	16,604	16,248	356	19,998	19,444	554
"Clerks" in stores ³²	413,918	243,521	170,397	401,991	238,844	163,147
Commercial travelers	179,320	176,514	2,806	223,732	219,790	3,942
Decorators, drapers, and window dressers	8,853	7,698	1,155	20,149	13,911	6,238
Deliverymen, bakeries and stores ³³	34 170,235	34 170,039	34 196	159,141	159,328	116
Floorwalkers and foremen in stores	20,604	16,565	4,039	32,564	27,928	4,636
Foremen, warehouses, stockyards, etc.	5,833	5,802	31	5,599	5,440	159

⁶ Not otherwise specified.²⁰ Selected occupations²¹ Not classified separately in 1920.²⁵ Postmasters were classified in "Public service" in 1920²⁷ Radio and wireless operators were included with telegraph operators in 1920 ²⁸ See Note 4, p. 56²⁹ Aviators, designated "Aeronauts" and classified in "Other professional pursuits" in 1920, were transferred to "Transportation and communication" in 1930³⁰ Foremen in garages, greasing stations, etc., included in "Other transportation and communication."³¹ Classified in 1920 in the group "Agents" in "Clerical occupations."³² Group more strictly confined in 1930 than in 1920 to persons specifically returned as "Clerks in stores"³³ Some deliverymen probably returned and classified as chauffeurs, others as teamsters or truck drivers.³⁴ Includes deliverymen for laundries classified in "Domestic and personal service" in 1930.

No. 49.—GAINFUL WORKERS 10 YEARS OLD AND OVER: BY OCCUPATION AND SEX, CONTINENTAL UNITED STATES—Continued

Occupation	1920			1930		
	Total	Male	Female	Total	Male	Female
Trade—Continued						
Inspectors, gagers, and samplers.....	13,714	12,683	1,031	16,743	10,923	5,820
Insurance agents, managers, and officials.....	134,978	129,589	5,389	286,235	271,530	14,705
Insurance agents.....	119,818	114,835	5,083	256,927	243,974	12,953
Managers and officials, insurance cos.....	15,060	14,754	306	29,308	27,556	1,752
Laborers in coal and lumber yards, etc.....	125,609	124,713	896	113,668	113,227	642
Coal yards and lumber yards.....	68,543	68,454	89	73,232	73,211	21
Grain elevators.....	11,312	11,244	68	9,212	9,141	71
Stockyards.....	22,888	22,859	29	8,735	8,733	2
Warehouses.....	22,866	22,156	710	18,699	18,205	494
Other and not specified trade.....	(21)	(21)	(21)	3,791	3,737	54
Laborers, porters, and helpers in stores.....	125,007	116,602	8,405	208,688	199,296	9,392
Newsboys.....	27,961	27,635	326	38,993	38,576	417
Proprietors, managers, and officials (n o s)	34,776	33,715	1,061	45,305	42,201	3,104
Employment office keepers.....	3,026	2,357	669	3,765	2,425	1,340
Proprietors, etc., advertising agencies.....	(35)	(35)	(35)	10,539	9,771	768
Proprietors, etc., grain elevators.....	8,858	8,836	22	9,505	9,484	21
Proprietors, etc., warehouses.....	6,353	6,310	43	7,389	7,327	62
Other proprietors, managers, and officials.....	16,539	16,212	327	14,107	13,194	913
Real estate agents and officials.....	149,135	139,927	9,208	240,030	208,243	31,787
Managers and officials, real estate cos.....	(21)	(21)	(21)	5,603	5,124	479
Real estate agents.....	(21)	(21)	(21)	234,427	203,119	31,308
Retail dealers ³⁶	1,328,275	1,249,295	78,980	1,703,522	1,593,356	110,166
Automobiles and accessories.....	28,768	28,626	142	61,507	60,991	516
Books, music, news, and stationery.....	25,369	23,028	2,341	36,033	32,909	3,124
Buyers and shippers of livestock and other farm products.....	48,309	48,228	81	41,784	41,684	100
Candy and confectionery.....	40,091	32,368	7,723	62,210	51,766	10,444
Cigars and tobacco.....	19,141	18,031	1,110	19,952	19,044	908
Coal and wood.....	26,556	26,057	499	29,876	29,225	651
Department stores.....	11,752	10,800	952	19,361	17,751	1,610
Dry goods, clothing, and boots and shoes.....	133,106	121,379	11,727	148,837	129,486	19,351
Drugs and medicines ³⁷	80,157	76,995	3,162	104,727	100,123	4,604
Five and ten cent and variety stores.....	5,868	4,899	1,069	9,464	9,035	1,429
Flour and feed.....	9,309	9,212	97	9,887	9,781	106
Food (except groceries and hucksters' goods).....	202,444	196,838	5,606	239,436	233,166	6,270
Furniture, carpets, and rugs.....	27,145	26,453	692	35,884	34,019	1,865
Gasoline and oil filling stations.....	(38)	(38)	(38)	89,190	87,095	2,095
General stores.....	80,026	76,317	3,709	81,187	76,011	5,176
Groceries.....	239,236	216,059	23,177	313,086	284,011	29,075
Hardware, implements, and wagons.....	48,933	48,213	720	52,138	51,216	922
Hucksters and peddlers.....	50,402	48,493	1,909	56,610	54,820	1,790
Ice.....	8,203	8,166	37	19,648	19,572	76
Jewelry.....	21,433	20,652	781	23,864	22,976	888
Junk and rags.....	24,773	24,581	192	27,478	27,166	312
Lumber.....	27,687	27,589	98	34,070	33,903	167
Opticians.....	12,632	11,743	889	14,385	13,769	616
Other specified dealers.....	38 91,107	38 85,085	38 6,022	113,061	101,377	11,684
Not specified dealers.....	65,728	59,483	6,245	88,377	82,460	5,917
Salesmen and saleswomen	1,192,199	826,866	365,333	2,069,003	1,508,283	560,720
Auctioneers.....	5,048	5,045	3	4,281	4,277	4
Canvassers ³⁹	14,705	10,514	4,191	63,769	51,956	11,813
Demonstrators.....	4,823	1,639	3,184	7,533	1,793	5,740
Sales agents.....	41,841	40,207	1,634	5,088	4,571	517
Salesmen and saleswomen.....	1,125,782	769,461	356,321	1,988,332	1,445,686	542,646
Undertakers.....	24,469	23,342	1,127	34,132	32,192	1,940
Wholesale dealers, importers, and exporters.....	73,574	72,780	794	83,525	81,837	1,688
Other pursuits in trade	67,611	52,106	15,505	125,175	96,069	29,106
Advertising agencies.....	(40)	(40)	(40)	5,853	5,453	400
Grain elevators.....	(40)	(40)	(40)	1,611	1,202	409
Warehouses and cold storage plants.....	(40)	(40)	(40)	5,248	3,520	1,728
Wholesale trade, and retail trade (except automobile).....						
Fruit and vegetable graders and packers.....	8,074	4,988	3,086	9,926	3,784	6,142
Meat cutters.....	22,884	22,804	80	45,108	45,025	83
Other occupations.....	36,653	24,314	12,339	52,367	32,870	19,497
Other trade industries.....				5,062	4,215	847
Public service (not elsewhere classified)	738,526	727,939	10,586	856,205	838,622	17,583
Firemen, fire department.....	50,771	50,771	-----	73,008	73,008	-----
Guards, watchmen, and doorkeepers.....	115,553	115,154	399	148,115	147,115	1,000
Laborers, public service.....	106,915	105,385	1,530	157,010	155,903	1,107

³⁶ Not otherwise specified. ³⁷ Not classified separately in 1920. ³⁸ Included in "Other proprietors."³⁹ Includes managers and superintendents of retail stores. ⁴⁰ Including druggists and pharmacists.⁴¹ "Retail dealers, gasoline and oil filling stations" included in "Other specified retail dealers" in 1920.⁴² Canvassers, classified in "Clerical occupations" in 1920, were transferred to "Trade" in 1930.⁴³ Included in the group "Other occupations" in 1920.

No. 49.—GAINFUL WORKERS 10 YEARS OLD AND OVER: BY OCCUPATION AND SEX, CONTINENTAL UNITED STATES—Continued

Occupation	1920			1930		
	Total	Male	Female	Total	Male	Female
Public Service—Continued						
Marshals, sheriffs, detectives, etc.	32,214	30,968	1,246	41,823	39,247	2,576
Detectives.....	11,955	11,562	393	12,865	12,180	685
Marshals and constables.....	6,897	6,880	17	9,350	9,288	62
Probation and truant officers.....	2,679	1,899	780	4,270	2,715	1,555
Sheriffs.....	10,683	10,627	56	15,338	15,064	274
Officials and inspectors (city).....	33,505	31,918	1,587	48,309	45,200	3,109
Officials and inspectors (county).....	22,092	18,830	3,262	30,086	24,231	5,855
Officials and inspectors (State).....	9,126	8,596	530	15,236	14,256	980
Officials and inspectors (United States) ⁴¹	39,273	38,621	652	36,464	35,625	839
Policemen.....	82,120	81,884	236	131,687	130,888	849
Soldiers, sailors, and marines ⁴²	225,593	225,593	-----	132,530	132,530	-----
Other public service pursuits.....	21,453	20,309	1,144	41,637	40,369	1,268
Professional service	2,171,251	1,154,221	1,017,030	3,253,884	1,727,650	1,526,234
Actors.....	28,361	15,124	13,237	37,993	18,703	19,290
Showmen.....	19,811	18,694	1,117	37,303	35,868	1,435
Architects.....	18,185	18,048	137	22,000	21,621	379
Artists, sculptors, and teachers of art.....	35,402	20,785	14,617	57,265	35,621	21,644
Authors.....	6,668	3,662	3,006	12,449	7,002	5,447
Editors and reporters.....	34,197	28,467	5,730	51,844	39,920	11,924
Chemists, assayers, and metallurgists.....	32,941	31,227	1,714	47,068	45,163	1,905
Clergymen.....	127,270	125,483	1,787	148,848	145,872	3,276
College presidents and professors ⁴³	33,407	23,332	10,075	61,905	41,774	20,131
Dentists.....	56,152	54,323	1,829	71,055	69,768	1,287
Designers.....	15,410	9,758	5,652	20,508	12,780	7,728
Draftsmen.....	52,865	50,880	1,985	79,922	78,459	1,463
Inventors.....	2,376	2,349	27	2,300	2,279	21
Lawyers, judges, and justices.....	122,519	120,781	1,738	160,605	157,220	3,385
Musicians and teachers of music.....	130,285	57,687	72,678	165,128	85,517	79,611
Osteopaths.....	5,030	3,367	1,663	6,117	4,584	1,563
Photographers.....	24,259	27,140	7,119	39,529	31,163	8,366
Physicians and surgeons.....	144,977	137,758	7,219	153,803	146,978	6,825
Teachers (athletics, dancing, etc.).....	9,711	5,677	4,034	18,599	12,288	6,311
Teachers (school).....	752,055	116,848	635,207	1,044,016	190,049	853,967
Technical engineers.....	136,121	136,080	41	226,249	226,136	113
Civil engineers and surveyors.....	64,660	64,642	18	102,038	102,087	29
Electrical engineers.....	27,077	27,065	12	57,337	57,775	62
Mechanical engineers ⁴⁴	37,689	37,678	11	54,356	54,338	18
Mining engineers ⁴⁵	6,695	6,695	-----	11,970	11,966	4
Trained nurses.....	149,128	5,464	143,664	294,189	5,462	288,737
Veterinary surgeons.....	13,494	13,493	1	11,863	11,862	11
Other professional pursuits ⁴⁶	(⁴⁷)	(⁴⁷)	(⁴⁷)	114,393	43,847	70,546
County agents, farm demonstrators, etc.....	(⁴⁷)	(⁴⁷)	(⁴⁷)	5,597	4,500	1,097
Librarians.....	15,297	1,795	13,502	29,613	2,567	27,056
Social and welfare workers.....	(⁴⁸)	(⁴⁸)	(⁴⁸)	31,241	6,649	24,592
Other occupations.....	18,409	12,646	5,763	47,942	30,141	17,801
Semiprofessional and recreational pursuits.....	(⁴⁹)	(⁴⁹)	(⁴⁹)	198,649	143,365	55,184
Abstracters, notaries, and justices of peace.....	10,071	8,588	1,483	11,756	9,848	1,908
Architects', designers', and draftsmen's apprentices ⁴⁹	3,777	3,479	298	2,656	2,436	220
Apprentices to other professional persons.....	(²⁸)	(²⁸)	(²⁸)	3,935	3,861	74
Billiard room, dance hall, skating rink, etc. keepers ⁴⁹	24,897	24,655	242	29,129	28,819	310
Chiropractors.....	(⁵⁰)	(⁵⁰)	(⁵⁰)	11,916	9,203	2,713
Directors, managers, and officials, motion picture production.....	(⁵¹)	(⁵¹)	(⁵¹)	1,923	1,888	35
Healers (not elsewhere classified).....	50 14,774	50 6,872	50 7,902	17,640	7,866	9,774
Keepers of charitable and penal institutions.....	12,884	7,953	4,931	15,020	9,468	5,552
Keepers of pleasure resorts, race tracks, etc.....	3,360	3,163	197	10,718	9,741	977
Officials of lodges, societies, etc.....	11,736	9,574	2,162	14,515	11,513	3,002
Radio announcers, directors, managers, and officials.....	(⁵²)	(⁵²)	(⁵²)	1,819	1,639	180
Religious workers.....	48 41,078	48 14,151	48 26,927	31,290	11,339	19,951
Theatrical owners, managers, and officials.....	51 18,395	51 17,138	51 1,257	19,723	18,691	1,032

¹ Comparable figures for 1920 not available.²⁸ See note 4, p. 56.⁴¹ In 1920 this group included "Postmasters," classified in "Transportation and communication" in 1930.⁴² Includes only those resident in continental United States at date of enumeration.⁴³ Probably includes some teachers in schools below collegiate rank.⁴⁴ Includes, also, all technical engineers not elsewhere classified.⁴⁵ Includes, also, chemical and metallurgical engineers. ⁴⁶ See note 29, p. 61.⁴⁷ "County agents, farm demonstrators, etc.," included with "Agents," in "Clerical occupations."⁴⁸ "Social and welfare workers" included with "Religious workers" in "Semiprofessional pursuits."⁴⁹ Classified in "Domestic and personal service" in 1920, transferred to "Professional service" in 1930.⁵⁰ Chiropractors were included in "Healers (except osteopaths and physicians and surgeons)" in 1920.⁵¹ "Directors, managers, and officials, motion picture production" were included in the group "Theatrical owners, managers, and officials" in 1920. ⁵² Not shown prior to 1930.

No. 49.—GAINFUL WORKERS 10 YEARS OLD AND OVER: BY OCCUPATION AND SEX, CONTINENTAL UNITED STATES—Continued

OCCUPATION	1920			1930		
	Total	Male	Female	Total	Male	Female
Professional service—Continued.						
Semiprofessional, etc., pursuits—Contd.						
Technicians and laboratory assistants.....	(53) 4,257	(53) 3,187	(53) 1,070	15,088	8,288	7,700
Other occupations.....	(7)	(7)	(7)	10,521	8,765	1,756
Attendants and helpers.....				170,384	114,759	55,625
Attendants, pool rooms, bowling alleys, golf clubs, etc.....	(54) 6,708	(54) 1,768	(54) 4,940	16,168	16,047	121
Dentists' assistants and attendants.....	(55) 6,708	(55) 1,768	(55) 4,940	13,715	770	12,945
Helpers, motion-picture production.....	(56) 5,803	(56) 5,377	(56) 426	2,213	1,234	979
Laborers, professional service.....	(56) 5,803	(56) 5,377	(56) 426	25,383	23,762	1,621
Laborers, recreation and amusement.....	(56) 5,803	(56) 5,377	(56) 426	29,893	29,458	435
Physicians' and surgeons' attendants.....	7,051	6,410	641	14,042	689	13,353
Stage hands and circus helpers.....	5,803	5,377	426	4,274	4,099	175
Theater ushers.....	5,221	2,868	2,353	12,461	9,308	3,153
Other attendants and helpers.....	6,929	4,039	2,890	52,235	29,392	22,843
Domestic and personal service.....	3,379,995	1,193,313	2,186,682	4,952,451	1,772,200	3,180,251
Barbers, hairdressers, and manicurists.....	216,211	182,965	33,246	374,290	261,096	113,194
Boarding and lodging house keepers.....	133,392	18,652	114,740	144,371	17,093	127,278
Bootblacks.....	15,175	15,142	33	18,784	18,747	37
Charwomen and cleaners.....	36,803	11,848	24,955	61,932	20,943	40,989
Cleaning, dyeing, and pressing shop workers.....	21,067	17,094	4,573	88,118	66,515	21,603
Owners, managers, and officials.....	(21) 21,067	(21) 17,094	(21) 4,573	22,116	19,822	2,294
Foremen and overseers.....	(21) 21,067	(21) 17,094	(21) 4,573	819	470	349
Laborers.....	(21) 21,067	(21) 17,094	(21) 4,573	4,549	3,910	639
Other operatives.....	(21) 21,067	(21) 17,094	(21) 4,573	60,634	42,318	18,321
Elevator tenders.....	40,713	33,376	7,337	67,614	55,285	12,329
Hotel keepers and managers.....	55,683	41,449	14,134	66,848	39,538	27,310
Housekeepers and stewards.....	221,612	17,262	204,350	256,746	20,383	236,363
Janitors and sextons.....	178,828	149,590	29,038	309,625	273,805	35,820
Laborers, domestic and personal service.....	53 32,893	56 31,224	56 1,669	71,687	67,337	4,350
Launderers and laundresses (not in laundry).....	396,756	10,882	385,874	361,033	4,565	356,468
Laundry owners, managers, and officials.....	13,692	12,239	1,453	24,545	22,482	2,063
Laundry operatives.....	120,715	39,968	80,747	240,704	80,229	160,475
Deliverymen.....	(59) 3,611	(59) 2,076	(59) 1,535	20,573	20,558	15
Foremen and overseers.....	13,107	6,570	6,537	19,293	11,001	8,292
Laborers.....	103,997	31,322	72,675	194,801	45,087	149,714
Other operatives.....	4,773	4,773	3,568	13,867	13,867	3,566
Midwives.....	151,996	19,338	132,658	153,443	127,436	26,007
Nurses (not trained).....	88,168	87,683	485	127,468	127,436	32
Porters (except in stores).....	43,208	42,920	279	57,612	57,599	13
Domestic and personal service.....	43,208	42,920	279	7,766	7,750	16
Professional service.....	22,513	22,486	27	27,648	27,647	1
Steam railroad.....	22,447	22,268	179	34,462	34,440	22
Other porters (except in stores).....	87,987	72,343	15,644	165,406	125,398	40,008
Restaurant, café, and lunch-room keepers.....						
Servants.....	398,475	129,857	268,618	565,392	194,297	371,095
Cooks.....	872,471	128,956	743,515	1,433,741	169,877	1,263,864
Other servants.....	228,985	112,064	116,921	393,288	161,815	231,473
Waiters.....	63,300	61,381	1,919	33,830	32,022	1,808
Other pursuits.....	5,540	5,496	44	9,702	9,705	57
Cemetery keepers.....	7,332	7,288	44	6,219	6,132	87
Hunters, trappers, and guides.....	50,428	48,597	1,831	17,849	16,185	1,664
Other occupations.....	3,111,836	1,689,911	1,421,925	4,025,324	2,038,494	1,986,830
Clerical occupations.....						
Agents, collectors, and credit men.....	63 161,067	63 149,427	63 11,640	196,107	182,630	13,477
Bookkeepers, cashiers, and accountants.....	734,688	375,564	359,124	930,648	447,937	482,711
Accountants and auditors.....	118,451	105,073	13,378	191,571	174,557	17,014
Bookkeepers and cashiers.....	616,237	270,491	345,746	739,077	273,380	465,697
Clerks (except "clerks" in stores).....	1,487,905	1,015,742	472,163	1,997,000	1,290,447	706,553
Messenger, errand, and office boys and girls.....	113,022	98,768	14,254	90,379	81,430	8,949
Stenographers and typists.....	615,154	50,410	564,744	811,190	36,080	775,110

⁷ Comparable figures for 1920 not available

²¹ Not classified separately in 1920

⁵³ Largely distributed among three groups—"Semiskilled operatives, other chemical factories", "Other occupations" under "Semi-professional pursuits" and "Other clerks" under "Clerical occupations."

⁵⁴ Included in 1920 in "Other servants" in "Domestic and personal service."

⁵⁵ Included in "Operatives, other and not specified manufacturing industries," p. 58.

⁵⁶ "Laborers, professional service", "Laborers, recreation and amusement", and "Laborers, domestic and personal service" comprised the 1920 group "Laborers, domestic and professional service"

⁵⁷ Some owners of hand laundries probably are included with laundry operatives

⁵⁸ Some deliverymen probably returned as chauffeurs.

⁵⁹ Included with "Deliverymen" in "Trade."

⁶⁰ Attendants, pool rooms, bowling alleys, golf clubs, etc., classified in "Professional service" in 1930, formed a part of the 1920 group "Bell boys, chore boys, etc.," which was a subgroup of the group "Servants"

⁶¹ See note 39, p. 62, and note 62 below.

⁶² "Advertising agents" classified in "Trade" in 1920 and "County agents, farm demonstrators, etc.," classified in "Professional service" in 1930, included with "Agents" in "Clerical occupations" in 1920.

Canvassers, classified in "Clerical occupations" in 1920, were transferred to "Trade" in 1930.

⁶³ Except telegraph messengers

Source, Bureau of the Census, Department of Commerce.

No. 50.—PERSONS 10 YEARS OF AGE AND OVER GAINFULLY OCCUPIED:
By States

NOTE.—The percentages represent the proportion which persons occupied form of the total population of the given sex 10 years of age and over

Division and State	Males				Females			
	Number		Per cent		Number		Per cent	
	1920	1930	1920	1930	1920	1930	1920	1930
Continental United States...	33,064,737	38,077,804	78.2	76.2	8,549,511	10,752,116	21.1	22.0
New England.....	2,363,377	2,489,488	80.4	75.8	871,015	941,681	29.0	27.5
Maine.....	245,013	240,110	77.9	74.4	68,845	68,493	21.1	21.4
New Hampshire....	143,525	142,710	79.2	75.2	49,302	49,950	27.3	25.9
Vermont.....	111,585	112,806	77.2	75.9	26,899	28,397	19.2	19.9
Massachusetts....	1,225,163	1,287,316	80.9	75.8	503,155	528,999	31.6	29.2
Rhode Island.....	194,438	209,343	82.0	77.2	80,562	87,829	32.7	30.4
Connecticut.....	443,653	499,201	81.0	76.0	146,252	178,007	27.1	26.8
Middle Atlantic.....	7,122,699	8,322,037	90.1	76.9	2,117,517	2,635,508	24.1	24.5
New York.....	3,367,909	4,108,232	80.4	78.1	1,135,295	1,415,105	26.9	26.9
New Jersey.....	1,014,663	1,295,594	80.8	77.6	295,990	416,512	23.9	25.1
Pennsylvania.....	2,740,127	2,918,211	79.5	75.1	686,232	803,892	20.7	20.9
East North Central....	6,951,808	8,042,907	78.7	76.2	1,584,041	2,085,414	18.9	20.4
Ohio.....	1,891,546	2,076,158	79.4	75.6	409,970	539,606	18.3	20.1
Indiana.....	931,647	1,015,761	77.7	76.1	185,385	235,304	16.0	18.1
Illinois.....	2,086,800	2,469,216	78.8	76.8	540,938	715,468	21.3	22.9
Michigan.....	1,228,631	1,567,625	80.0	77.0	245,383	359,822	18.1	19.4
Wisconsin.....	813,184	914,247	75.8	74.6	182,365	215,214	18.3	18.7
West North Central....	3,815,681	4,106,672	74.6	74.7	772,315	946,165	16.2	18.0
Minnesota.....	742,947	791,833	75.3	74.1	164,066	200,965	18.4	19.9
Iowa.....	717,377	749,313	73.2	73.5	141,321	163,522	15.2	16.5
Missouri.....	1,072,545	1,158,734	77.4	77.5	244,615	299,234	18.1	20.1
North Dakota.....	178,764	204,090	70.9	72.4	28,328	36,213	13.0	14.8
South Dakota.....	186,885	210,343	72.2	73.1	29,686	37,310	13.3	14.6
Nebraska.....	385,292	417,287	72.9	73.5	71,769	89,721	14.8	16.7
Kansas.....	531,881	575,072	73.8	74.0	92,510	119,200	13.7	16.1
South Atlantic.....	4,096,041	4,581,790	77.5	75.7	1,243,953	1,473,514	23.8	24.1
Delaware.....	73,122	77,221	79.7	77.1	18,102	20,883	20.8	21.6
Maryland.....	466,257	515,187	80.0	77.4	137,221	157,692	23.8	23.9
Dist. of Columbia..	143,401	155,028	82.6	78.4	92,626	88,825	45.5	40.1
Virginia.....	677,366	697,944	76.4	74.4	156,210	182,267	18.1	19.5
West Virginia.....	433,677	488,254	76.0	72.5	57,439	82,198	11.2	13.1
North Carolina.....	693,155	868,006	75.5	74.7	202,697	272,965	21.9	22.9
South Carolina.....	468,601	489,976	77.6	76.4	205,656	206,761	33.4	31.2
Georgia.....	840,412	850,219	78.6	77.4	288,745	311,939	26.7	27.4
Florida.....	300,050	448,955	77.7	76.1	85,262	149,984	23.3	25.7
East South Central....	2,608,411	2,908,937	77.9	77.2	702,433	827,744	21.1	21.8
Kentucky.....	719,629	760,417	77.1	75.1	131,493	146,678	14.5	14.8
Tennessee.....	677,988	763,062	76.5	75.8	152,108	195,324	17.2	19.1
Alabama.....	684,348	772,281	79.5	78.1	223,868	254,014	25.8	25.1
Mississippi.....	526,446	613,177	78.7	80.6	194,964	231,728	29.1	30.3
West South Central....	3,049,275	3,656,565	76.2	76.2	686,973	861,667	17.8	18.6
Arkansas.....	518,754	548,652	77.7	76.2	115,810	119,193	18.2	17.0
Louisiana.....	528,507	624,196	77.2	77.4	152,726	191,420	22.4	23.5
Oklahoma.....	686,834	698,658	73.6	73.2	94,594	129,346	13.2	14.5
Texas.....	1,415,180	1,785,059	76.6	77.0	303,843	421,708	17.8	18.9
Mountain.....	1,077,774	1,159,563	77.1	74.9	177,220	235,250	15.2	17.3
Montana.....	185,905	184,205	73.9	76.6	28,278	32,274	15.2	16.7
Idaho.....	135,950	139,946	75.5	74.2	17,509	22,286	12.0	13.9
Wyoming.....	72,134	79,709	81.7	78.8	9,402	12,739	15.0	16.4
Colorado.....	303,870	321,874	76.8	74.9	62,587	80,993	17.8	20.0
New Mexico.....	107,090	120,566	74.5	73.3	14,941	22,101	12.1	14.7
Arizona.....	112,193	135,325	78.1	75.0	18,386	29,971	16.4	19.4
Utah.....	127,418	141,016	74.0	71.2	21,783	28,994	13.7	15.4
Nevada.....	33,214	36,982	81.3	81.2	4,334	5,902	17.7	19.3
Pacific.....	1,979,671	2,809,847	73.8	77.6	434,039	785,172	20.4	23.2
Washington.....	485,767	538,054	80.3	77.0	92,900	126,676	18.7	20.6
Oregon.....	267,791	328,503	78.1	77.6	54,492	81,142	18.4	21.3
California.....	1,226,113	1,943,290	80.0	77.7	286,647	557,354	21.4	24.2

Source: Bureau of the Census, Department of Commerce.

No 51.—GAINFUL WORKERS 10 YEARS OF AGE AND OVER BY GEN

Note.—For total number of males and

Division and State	Male								
	Agricul- ture	Forest- ry and fishing	Ex- traction of min- erals	Manufac- turing and me- chanical industries	Trans- porta- tion and commu- nication	Trade	Public service (not- else- where classi- fied)	Profes- sional service	Domes- tic and personal service
Continental United States.....	9, 562, 059	250, 140	983, 564	12, 224, 345	3, 561, 943	5, 118, 787	838, 622	1, 727, 650	1, 772, 200
New England.....	206, 338	22, 007	6, 601	1, 175, 759	232, 075	388, 617	75, 897	124, 777	125, 705
Maine.....	49, 973	9, 103	1, 434	95, 266	24, 372	27, 923	6, 257	8, 971	8, 843
New Hampshire.....	21, 493	2, 176	519	69, 375	13, 422	16, 371	3, 006	5, 760	6, 040
Vermont.....	37, 234	2, 749	2, 350	37, 105	10, 438	11, 500	2, 790	3, 898	3, 416
Massachusetts.....	53, 720	7, 637	1, 435	608, 316	126, 171	210, 499	42, 528	72, 660	72, 361
Rhode Island.....	8, 607	1, 065	237	111, 631	17, 722	30, 879	7, 394	9, 189	10, 645
Connecticut.....	35, 311	1, 227	626	254, 066	39, 950	71, 445	13, 922	24, 299	24, 390
Middle Atlantic.....	566, 058	13, 474	311, 790	3, 353, 133	899, 336	1, 328, 792	218, 847	459, 079	497, 316
New York.....	260, 233	5, 196	9, 119	1, 568, 416	458, 713	742, 401	115, 927	252, 223	314, 451
New Jersey.....	61, 975	2, 845	3, 633	580, 945	139, 348	208, 593	37, 576	75, 135	68, 866
Pennsylvania.....	243, 860	5, 433	299, 038	1, 203, 772	301, 275	377, 798	65, 344	131, 721	113, 999
East North Central.....	1, 413, 202	25, 662	144, 609	3, 237, 041	764, 512	1, 109, 246	155, 074	374, 889	352, 559
Ohio.....	303, 582	2, 213	39, 374	889, 451	214, 320	285, 560	38, 131	100, 568	86, 357
Indiana.....	243, 947	1, 291	21, 095	383, 615	97, 800	126, 616	16, 979	44, 276	37, 955
Illinois.....	343, 746	2, 387	60, 526	910, 372	255, 602	392, 334	51, 342	126, 233	137, 164
Michigan.....	241, 066	12, 531	20, 380	730, 149	124, 374	196, 085	34, 864	66, 315	62, 281
Wisconsin.....	280, 861	7, 240	3, 234	323, 454	72, 416	108, 651	13, 758	37, 497	28, 802
West North Central.....	1, 652, 311	11, 144	53, 120	896, 148	385, 735	546, 327	66, 270	169, 337	155, 259
Minnesota.....	294, 294	6, 040	10, 735	185, 558	72, 685	106, 140	13, 501	33, 788	30, 103
Iowa.....	324, 072	772	8, 662	158, 321	71, 415	99, 154	11, 002	29, 561	23, 649
Missouri.....	358, 243	3, 761	16, 318	308, 142	112, 360	168, 290	19, 546	50, 457	55, 005
North Dakota.....	130, 818	35	1, 088	20, 751	13, 782	19, 373	1, 856	6, 854	4, 737
South Dakota.....	127, 584	217	1, 496	25, 935	14, 179	21, 490	2, 723	7, 780	4, 940
Nebraska.....	193, 334	155	570	75, 154	38, 499	57, 011	6, 053	17, 433	14, 584
Kansas.....	223, 966	174	14, 251	122, 287	62, 815	74, 869	11, 589	23, 464	21, 641
South Atlantic.....	1, 678, 088	53, 350	140, 392	1, 215, 490	375, 928	496, 244	116, 136	166, 993	180, 178
Delaware.....	16, 737	354	61	29, 529	8, 590	8, 916	2, 311	3, 468	3, 147
Maryland.....	81, 405	6, 053	5, 023	188, 682	57, 569	73, 341	19, 601	25, 218	24, 610
District of Columbia.....	1, 058	56	84	41, 866	16, 174	26, 612	13, 165	16, 645	16, 746
Virginia.....	252, 539	11, 349	16, 003	179, 833	67, 483	71, 198	25, 431	23, 440	25, 181
West Virginia.....	112, 767	5, 208	109, 900	122, 064	44, 762	41, 709	5, 318	18, 560	13, 890
North Carolina.....	429, 303	8, 996	2, 739	221, 930	48, 019	76, 607	11, 520	23, 285	27, 672
South Carolina.....	256, 039	3, 345	927	114, 925	28, 285	37, 506	7, 913	11, 321	12, 539
Georgia.....	412, 311	5, 164	3, 414	189, 226	59, 265	83, 229	18, 667	23, 633	29, 763
Florida.....	115, 929	12, 825	2, 241	127, 435	45, 781	67, 126	12, 210	21, 423	27, 130
East South Central.....	1, 492, 053	19, 677	108, 282	551, 071	211, 844	252, 098	33, 693	80, 129	87, 783
Kentucky.....	342, 589	2, 170	61, 756	141, 932	61, 650	69, 651	10, 244	24, 339	23, 167
Tennessee.....	345, 276	4, 409	14, 594	169, 572	62, 810	79, 554	9, 802	23, 747	23, 968
Alabama.....	358, 316	5, 460	31, 403	163, 731	52, 698	63, 528	8, 762	19, 150	21, 630
Mississippi.....	414, 872	7, 638	509	75, 836	34, 686	39, 365	4, 885	12, 890	14, 118
West South Central.....	1, 640, 003	28, 919	90, 424	707, 255	303, 355	418, 400	67, 009	126, 363	148, 155
Arkansas.....	336, 356	6, 975	7, 391	77, 126	34, 400	43, 800	4, 633	14, 774	13, 526
Louisiana.....	248, 649	13, 350	7, 072	140, 086	64, 846	67, 191	11, 210	18, 340	27, 066
Oklahoma.....	293, 279	2, 207	41, 273	133, 925	51, 557	85, 852	12, 158	28, 391	27, 344
Texas.....	761, 719	6, 387	34, 688	356, 118	152, 652	221, 557	39, 008	64, 858	80, 219
Mountain.....	415, 486	12, 455	80, 794	238, 104	116, 122	131, 691	24, 604	53, 034	46, 705
Montana.....	77, 409	2, 616	14, 949	32, 398	18, 119	17, 236	3, 016	6, 588	6, 082
Idaho.....	64, 112	5, 470	5, 577	25, 419	10, 751	13, 774	1, 620	5, 590	4, 149
Wyoming.....	29, 781	814	6, 312	14, 792	9, 353	6, 542	3, 911	2, 978	2, 906
Colorado.....	101, 990	1, 249	17, 433	70, 761	32, 193	45, 533	6, 438	16, 646	14, 842
New Mexico.....	56, 689	1, 142	7, 002	20, 158	12, 638	10, 059	1, 296	4, 742	4, 242
Arizona.....	36, 511	809	13, 973	30, 491	13, 274	16, 771	4, 794	7, 044	6, 469
Utah.....	40, 284	235	10, 506	34, 268	14, 114	18, 146	2, 945	7, 575	5, 684
Nevada.....	8, 710	120	4, 992	7, 817	5, 680	3, 630	584	1, 871	2, 331
Pacific.....	498, 520	63, 452	47, 572	852, 344	273, 036	477, 372	81, 092	173, 049	178, 540
Washington.....	99, 374	31, 894	5, 710	176, 909	56, 326	75, 928	15, 715	25, 531	25, 329
Oregon.....	78, 769	18, 625	2, 165	98, 865	34, 030	45, 261	6, 058	15, 879	14, 451
California.....	320, 377	12, 933	39, 697	576, 570	182, 680	356, 183	59, 319	131, 589	138, 760

Source: Bureau of the Census, Department of Commerce.

ERAL DIVISIONS OF OCCUPATIONS, BY SEX AND BY STATES, 1930

females gainfully employed, see Table 50

Male— Contd.	Female										
Clerical occupa- tions	Agric- ulture	Forest- ry and fish- ing	Ex- trac- tion of min- erals	Manu- facturing and me- chanical indus- tries	Trans- porta- tion and commu- nication	Trade	Public service (not else- where classi- fied)	Profes- sional service	Domestic and personal service	Clerical occupa- tions	Division and State
2, 038, 494	909, 939	329	759	1, 896, 307	281, 204	962, 680	17, 583	1, 526, 234	3, 180, 251	1, 986, 830	U. S.
151, 710	6, 281	20	-----	303, 199	20, 981	70, 339	1, 074	127, 491	217, 812	194, 484	N. E.
7, 958	1, 489	10	-----	18, 719	1, 803	5, 522	111	11, 217	20, 271	6, 351	Me.
4, 548	574	-----	-----	19, 928	901	3, 144	44	6, 076	12, 164	6, 135	N. H.
3, 326	880	-----	-----	4, 345	872	2, 210	73	5, 283	10, 471	4, 263	Vt.
89, 939	1, 923	4	-----	164, 977	12, 296	40, 560	504	70, 959	119, 806	117, 880	Mass.
11, 974	226	3	-----	39, 831	1, 350	5, 923	67	8, 884	16, 581	14, 964	R. I.
33, 965	1, 189	3	-----	55, 399	3, 669	12, 980	185	24, 172	38, 519	41, 891	Conn.
674, 212	16, 301	12	228	619, 546	80, 255	231, 748	3, 293	353, 868	699, 807	630, 451	M. A.
381, 553	7, 140	6	110	297, 958	48, 318	117, 722	1, 800	193, 848	376, 596	371, 607	N. Y.
116, 678	2, 086	2	5	108, 770	12, 090	32, 245	461	51, 816	104, 698	104, 339	N. J.
175, 981	7, 075	4	113	212, 818	19, 847	81, 781	1, 032	108, 204	218, 513	154, 505	Pa.
486, 113	37, 946	16	193	373, 534	65, 297	225, 294	3, 698	303, 286	584, 776	471, 376	E. N. C.
116, 602	8, 064	-----	44	101, 791	15, 688	60, 897	1, 045	78, 533	157, 898	115, 646	Ohio.
42, 187	5, 937	2	8	49, 480	5, 998	25, 881	575	34, 770	66, 647	46, 006	Ind.
189, 610	8, 231	2	10	125, 324	26, 517	75, 342	1, 038	96, 681	192, 311	190, 012	Ill.
79, 480	6, 586	10	130	55, 832	10, 599	40, 306	682	57, 471	109, 839	78, 317	Mich.
38, 334	9, 128	2	1	41, 057	6, 495	22, 868	356	35, 831	58, 081	41, 895	Wis.
171, 021	44, 761	20	52	106, 748	30, 577	102, 437	2, 372	191, 517	293, 685	174, 016	W. N. C.
38, 989	9, 295	15	1	20, 551	5, 930	12, 271	358	40, 471	61, 955	41, 088	Minn.
22, 705	6, 809	-----	2	14, 829	5, 600	18, 848	450	39, 171	49, 403	28, 411	Iowa.
66, 022	12, 635	5	12	33, 085	8, 872	30, 563	534	40, 876	91, 853	60, 789	Mo.
4, 796	3, 575	-----	-----	1, 244	1, 140	2, 938	138	10, 711	12, 760	3, 707	N. D.
3, 999	3, 158	-----	2	1, 747	1, 099	4, 080	181	10, 950	11, 725	4, 368	S. D.
14, 494	3, 865	-----	-----	5, 835	3, 281	10, 294	238	22, 231	28, 151	15, 826	Nebr.
20, 016	5, 424	-----	35	9, 428	4, 655	14, 443	473	27, 107	37, 818	19, 817	Kans.
168, 991	289, 344	87	54	248, 057	21, 282	83, 713	2, 013	159, 760	519, 036	150, 168	S. A.
4, 108	579	-----	-----	4, 075	427	1, 809	28	2, 602	7, 147	4, 216	Del.
33, 685	2, 677	6	-----	34, 730	3, 499	14, 111	257	18, 745	56, 277	27, 390	Md.
22, 622	23	-----	-----	4, 792	2, 417	6, 044	653	10, 524	33, 736	30, 636	D. C.
25, 487	18, 157	9	3	33, 022	3, 139	11, 384	235	25, 227	70, 050	21, 041	Va.
14, 576	5, 433	-----	23	11, 634	2, 137	8, 558	119	16, 304	27, 733	10, 257	W. Va.
17, 935	70, 654	35	1	68, 789	2, 545	10, 869	168	28, 708	75, 779	15, 417	N. C.
8, 176	88, 590	7	-----	32, 665	1, 243	5, 379	58	15, 569	56, 936	6, 314	S. C.
25, 547	85, 630	8	15	43, 834	3, 728	13, 102	245	25, 791	118, 760	20, 826	Ga.
16, 855	17, 601	22	12	14, 516	2, 147	12, 457	250	16, 290	72, 618	14, 071	Fla.
72, 327	293, 133	38	29	81, 561	11, 975	42, 683	793	78, 749	256, 878	61, 905	E. S. C.
22, 919	15, 917	2	11	20, 941	4, 176	13, 373	306	20, 464	51, 132	20, 336	Ky.
23, 830	30, 576	13	4	32, 042	3, 494	12, 316	195	22, 710	73, 022	20, 952	Tenn.
17, 700	104, 445	16	12	21, 950	2, 465	10, 040	146	20, 504	80, 815	13, 621	Ala.
8, 378	142, 195	7	2	6, 628	1, 840	6, 954	146	15, 071	51, 909	6, 976	Miss.
126, 692	188, 817	81	105	54, 924	20, 479	72, 015	1, 504	116, 570	311, 275	95, 997	W. S. C.
9, 671	48, 025	24	1	4, 834	2, 045	7, 351	172	13, 135	35, 955	7, 651	Ark.
26, 356	48, 152	38	63	14, 803	3, 215	12, 495	146	18, 195	77, 946	16, 367	La.
22, 772	12, 812	4	13	5, 998	4, 630	14, 392	361	24, 696	46, 126	20, 314	Okl.
67, 853	79, 828	15	28	29, 189	10, 589	37, 777	825	60, 544	151, 248	51, 665	Tex.
42, 568	13, 896	10	40	19, 041	7, 441	26, 219	952	51, 721	77, 834	38, 086	Mt.
5, 792	2, 109	2	3	1, 220	960	3, 499	146	8, 368	11, 201	4, 766	Mont.
3, 484	1, 416	3	-----	1, 233	772	2, 867	114	5, 827	6, 883	3, 171	Idaho.
2, 320	1, 014	-----	1	363	435	1, 184	70	3, 470	4, 465	1, 737	Wyo.
14, 739	4, 078	1	5	5, 973	2, 681	9, 224	260	16, 846	26, 408	15, 517	Colo.
2, 538	2, 211	4	6	3, 164	514	1, 733	73	4, 383	8, 004	2, 009	N. M.
5, 189	1, 912	-----	9	4, 213	598	3, 038	146	5, 572	10, 405	4, 078	Ariz.
7, 259	963	-----	8	2, 701	1, 294	3, 978	105	5, 977	8, 123	5, 835	Utah.
1, 247	193	-----	8	174	187	696	38	1, 278	2, 345	983	Neu.
164, 870	19, 460	45	58	79, 797	22, 917	108, 232	1, 886	143, 272	219, 168	170, 337	Pac.
25, 288	4, 703	27	10	11, 802	3, 908	17, 608	281	23, 407	39, 511	26, 079	Wash.
14, 400	3, 110	7	2	8, 301	2, 461	10, 188	183	16, 068	24, 702	16, 120	Oreg.
128, 182	11, 647	11	46	59, 994	16, 548	80, 436	1, 422	103, 797	155, 315	128, 138	Calif.

No. 52.—RELIGIOUS BODIES: CHURCHES AND MEMBERS, BY DENOMINATIONS

NOTE.—The 1916 figures here presented have been adjusted for organic changes occurring in some of the denominations and also for differences in method of reporting members. The data for Jews are not comparable for the two censuses. See also headnote, Table 53.

Denomination	Churches reporting members		Number of members		Membership by age, 1926		
	1916	1926	1916	1926	Under 13 years	13 years and over	Age not reported
All denominations.....	226, 718	232, 154	43, 311, 647	54, 576, 946	8, 320, 785	36, 948, 260	9, 307, 301
Adventists (5 bodies).....	2, 667	2, 576	114, 915	146, 177	3, 540	127, 467	15, 170
Baptist bodies.....	57, 828	60, 192	7, 153, 313	8, 440, 922	415, 798	6, 149, 474	1, 875, 650
Northern Baptist Convention.....	18, 177	7, 611	11, 190, 863	1, 289, 966	49, 897	1, 122, 211	117, 858
Southern Baptist Convention.....	23, 580	23, 374	2, 708, 870	3, 524, 378	182, 828	2, 805, 542	536, 008
American Baptist Association.....	1, 431	1, 431	117, 858	117, 858	1, 149	103, 899	12, 810
Negro Baptists.....	21, 213	22, 081	2, 992, 421	3, 196, 623	178, 230	1, 921, 338	1, 097, 055
Free Will Baptists.....	750	1, 024	54, 833	79, 592	1, 190	65, 786	12, 616
Primitive Baptists.....	2, 142	2, 267	80, 311	81, 374	75	42, 283	39, 016
All other (13 bodies).....	1, 966	2, 404	126, 015	151, 131	2, 429	88, 415	60, 287
Brethren, German Baptist (Dunkers) (5 bodies).....	1, 283	1, 279	133, 626	158, 248	9, 769	137, 343	11, 136
Christian Church (Gen. Convention).....	1, 263	1, 044	118, 737	112, 795	7, 411	93, 500	11, 884
Church of Christ, Scientist.....	(*)	1, 913	(*)	202, 098	-----	202, 098	-----
Church of the Nazarene.....	866	1, 444	32, 259	63, 558	3, 077	55, 991	4, 490
Churches of Christ.....	5, 570	6, 226	317, 837	433, 714	-----	-----	433, 714
Congregational Churches.....	4, 5, 900	5, 028	4, 809, 236	881, 696	16, 291	752, 554	112, 871
Disciples of Christ.....	8, 396	7, 648	1, 220, 028	1, 377, 695	87, 237	1, 148, 335	142, 023
Eastern Orthodox Churches.....	301	446	249, 840	259, 394	59, 913	186, 399	13, 082
Greek Orthodox Church.....	87	153	119, 871	119, 495	23, 020	87, 844	8, 631
Russian Orthodox Church.....	169	199	99, 681	95, 134	26, 003	65, 751	3, 380
All other (5 bodies).....	45	94	30, 288	44, 765	10, 890	32, 804	1, 071
Evangelical Church.....	2, 592	2, 064	210, 530	206, 080	10, 410	186, 910	8, 760
Evangelical Congregational Church.....	1, 331	1, 287	339, 853	314, 518	1, 205	19, 012	232
Evangelical Synod of North America.....	1, 023	883	112, 982	110, 422	-----	314, 518	-----
Friends (4 bodies).....	1, 619	3, 118	357, 135	4, 081, 242	16, 166	85, 945	8, 311
Jewish congregations.....	1, 530	1, 867	462, 329	606, 561	119, 861	442, 874	4, 081, 242
Latter Day Saints (2 bodies).....	13, 921	15, 102	3, 445, 883	3, 966, 003	1, 086, 652	2, 731, 909	147, 882
Lutheran bodies.....	7, 3, 559	3, 660	1, 030, 178	1, 214, 340	304, 723	865, 844	43, 773
United Luth. Church in America.....	1, 105	1, 180	271, 927	311, 425	76, 920	232, 753	1, 772
Augustana Synod of America.....	3, 620	4, 752	1, 112, 065	1, 292, 620	370, 585	890, 021	61, 914
Synodical Conference of America.....	2, 740	2, 554	459, 944	496, 707	146, 306	328, 306	22, 095
Norwegian Luth. Church of America.....	826	872	236, 010	247, 783	73, 234	170, 043	4, 506
Joint Synod of Ohio and other States.....	977	873	186, 027	217, 873	63, 798	150, 169	3, 916
Synod of Iowa and other States.....	1, 094	1, 221	149, 732	185, 255	50, 988	124, 863	9, 408
All other (12 bodies).....	833	820	79, 363	87, 164	1, 733	77, 641	7, 788
Mennonites (17 bodies).....	65, 692	60, 644	7, 160, 835	8, 070, 619	686, 940	6, 190, 559	1, 193, 120
Methodist bodies.....	29, 215	26, 130	3, 717, 785	4, 080, 777	313, 840	3, 250, 505	516, 432
Methodist Episcopal Church.....	2, 473	2, 239	186, 908	192, 171	11, 551	150, 378	30, 247
Methodist Protestant Church.....	19, 184	18, 096	2, 114, 479	2, 487, 694	239, 647	1, 820, 330	427, 717
African Methodist Episcopal.....	6, 633	6, 708	548, 355	545, 814	42, 230	358, 833	144, 751
African Methodist Episcopal Zion.....	2, 716	2, 466	257, 169	456, 813	57, 977	391, 960	6, 876
Colored Methodist Episcopal.....	2, 621	2, 518	245, 740	202, 713	14, 964	129, 643	58, 106
All other (13 bodies).....	2, 750	2, 487	96, 440	104, 637	6, 731	88, 915	8, 901
Polish National Catholic Church.....	34	91	28, 245	61, 574	16, 151	35, 950	9, 473
Presbyterian bodies.....	15, 840	14, 848	2, 255, 626	2, 625, 284	122, 361	2, 281, 698	221, 225
Presbyterian Church, U. S. A.....	9, 773	8, 947	1, 625, 817	1, 894, 030	77, 700	1, 653, 083	163, 297
Cumberland Presbyterian Church.....	1, 313	1, 097	72, 052	67, 938	3, 345	57, 770	6, 823
United Presbyterian Church.....	901	901	160, 726	171, 571	7, 587	156, 512	7, 472
Presbyterian Church, U. S.....	3, 365	3, 469	357, 769	451, 043	30, 769	379, 463	40, 811
All other (5 bodies).....	308	434	39, 202	40, 702	2, 960	34, 920	2, 822
Protestant Episcopal Church.....	7, 345	7, 299	1, 480, 898	1, 859, 036	462, 310	1, 299, 351	97, 425
Reformed bodies.....	2, 745	2, 682	556, 171	617, 551	35, 891	524, 155	57, 505
Reformed Church in America.....	715	717	144, 929	153, 739	1, 951	118, 664	33, 124
Reformed Church in the U. S.....	11, 804	1, 709	113, 542	361, 286	1, 955	339, 344	19, 947
Free Magyar Reformed.....	226	245	57, 017	98, 534	1, 398	1, 895	639
Christian.....	17, 375	18, 940	15, 721, 815	18, 605, 003	5, 053, 781	12, 857, 277	693, 945
Roman Catholic Church.....	742	1, 052	35, 954	74, 768	21, 006	53, 745	17
Salvation Army.....	354	611	29, 028	50, 631	506	39, 204	10, 921
Spiritualists.....	411	353	82, 615	60, 152	595	57, 373	2, 184
Unitarians.....	3, 889	3, 375	367, 934	395, 885	32, 819	330, 305	32, 761
United Brethren (3 bodies).....	643	498	58, 566	64, 957	676	49, 835	4, 446
Universalist Church.....	4, 723	8, 673	364, 044	632, 200	48, 684	516, 788	66, 718
All other denominations.....							

¹ Includes Free Baptist churches, but excludes Negro churches.

² Includes Negro churches formerly reported with the Northern Baptist Convention. ³ Not reported.

⁴ Includes figures for Evangelical Protestant Church of North America.

⁵ Includes Evangelical Association and United Evangelical Church. ⁶ Partly estimated.

⁷ Includes General Synod, United Synod of the South, and General Council (except Augustana Synod).

⁸ Includes 4 synods, of which the largest is the Synod of Missouri, Ohio, and other States.

⁹ Includes Hauge's Synod, Norwegian Lutheran Church, and United Lutheran Church.

¹⁰ Includes figures for Welsh Calvinistic Methodist Church. ¹¹ Includes Hungarian Reformed.

Source Bureau of the Census, Department of Commerce.

No. 53.—RELIGIOUS BODIES: VALUE OF PROPERTY AND EXPENDITURES, AND NUMBER OF SUNDAY SCHOOLS AND SCHOLARS, AS REPORTED FOR 1926

NOTE.—The names of many of the denominations have been somewhat abbreviated

Denomination	Value of church edifices		Expenditures during year		Sunday schools	
	Churches reporting	Amount	Churches reporting	Amount	Churches reporting	Number of scholars
All denominations	202, 930	\$3,839,500,610	216, 042	\$317,214,528	184, 686	21, 038, 526
Adventists (5 bodies).....	1, 819	11, 069, 449	2, 336	7, 610, 863	1, 759	102, 779
Baptist bodies.....	52, 281	469, 827, 795	54, 145	98, 045, 096	47, 889	4, 654, 241
Northern Baptist Convention.....	7, 297	185, 370, 576	7, 380	34, 318, 484	6, 999	1, 052, 794
Southern Baptist Convention.....	21, 128	173, 456, 965	22, 338	42, 904, 563	19, 882	2, 345, 630
American Baptist Association.....	1, 054	1, 832, 546	1, 303	432, 045	918	56, 228
Negro Baptists.....	19, 833	103, 465, 739	20, 909	19, 475, 681	18, 765	1, 121, 662
Free Will Baptists.....	765	1, 166, 743	872	262, 613	643	38, 199
Primitive Baptists.....	1, 037	1, 730, 348	776	166, 847	5	181
All other (13 bodies).....	1, 167	2, 814, 858	1, 267	444, 561	687	39, 847
Brethren, German Baptist (Dunkers) (5 bodies).....	1, 206	11, 110, 013	1, 182	2, 293, 622	1, 067	133, 483
Christian Church (General Convention).....	976	7, 202, 193	1, 004	1, 353, 379	938	85, 478
Church of Christ, Scientist.....	1, 185	69, 416, 744	1, 850	14, 202, 116	1, 655	146, 566
Church of the Nazarene.....	1, 113	7, 323, 718	1, 340	3, 124, 444	1, 233	109, 237
Churches of Christ.....	5, 089	16, 402, 158	5, 975	3, 961, 310	4, 403	274, 571
Congregational Churches.....	4, 795	162, 212, 552	4, 810	25, 820, 342	4, 601	596, 881
Disciples of Christ.....	6, 887	114, 850, 211	7, 250	22, 967, 484	6, 680	1, 000, 416
Eastern Orthodox Churches.....	397	11, 789, 108	423	2, 044, 415	198	14, 195
Greek Orthodox Church.....	131	5, 011, 718	145	858, 809	78	5, 796
Russian Orthodox Church.....	187	4, 833, 615	188	838, 453	90	5, 770
All other (5 bodies).....	79	1, 893, 875	83	247, 153	35	2, 629
Evangelical Church.....	1, 989	25, 380, 761	2, 036	5, 951, 009	2, 000	280, 195
Evangelical Congregational Church.....	142	2, 519, 400	153	574, 165	148	27, 395
Evangelical Synod of North America.....	1, 253	35, 789, 581	1, 274	6, 002, 900	1, 146	171, 402
Federated churches.....	343	6, 159, 725	354	1, 272, 455	347	40, 520
Friends (4 bodies).....	819	10, 217, 727	854	1, 687, 785	727	67, 585
Jewish Congregations.....	1, 135	97, 401, 688	1, 290	19, 076, 451	531	70, 580
Latter Day Saints (2 bodies).....	1, 415	18, 983, 315	1, 769	3, 095, 895	1, 736	209, 693
Lutheran bodies.....	13, 400	273, 409, 748	14, 721	59, 500, 845	11, 472	1, 249, 998
United Lutheran Church in America.....	3, 516	114, 526, 248	3, 577	1, 162, 961	3, 415	619, 781
Augustana Synod.....	1, 118	22, 781, 698	1, 165	3, 369, 446	1, 036	100, 775
Synodical Conference of America.....	3, 878	78, 755, 894	4, 601	19, 487, 432	3, 028	212, 071
Norwegian Lutheran Church of America.....	2, 278	24, 822, 215	2, 497	5, 786, 977	1, 660	131, 147
Joint Synod of Ohio and Other States.....	832	15, 646, 708	865	3, 702, 259	769	88, 822
Synod of Iowa and Other States.....	799	8, 657, 486	867	2, 223, 888	778	50, 878
All other (12 bodies).....	979	8, 219, 499	1, 149	1, 767, 882	786	46, 524
Mennonites (17 bodies).....	680	4, 453, 613	731	1, 270, 067	631	87, 897
Methodist bodies.....	56, 493	654, 736, 975	59, 483	152, 151, 978	54, 804	6, 667, 654
Methodist Episcopal Church.....	25, 290	406, 165, 659	25, 790	89, 422, 307	24, 730	3, 796, 561
Methodist Protestant Church.....	2, 094	16, 817, 278	2, 160	3, 137, 211	1, 917	173, 438
Methodist Episcopal, South.....	16, 443	161, 986, 430	17, 798	41, 651, 150	15, 526	1, 802, 464
African Methodist Episcopal.....	5, 829	32, 092, 549	6, 492	7, 000, 161	5, 884	288, 247
African Methodist Episcopal Zion.....	2, 370	18, 515, 735	2, 404	4, 757, 069	2, 429	267, 141
Colored Methodist Episcopal.....	2, 341	9, 211, 847	2, 477	2, 428, 234	2, 351	103, 833
All other (13 bodies).....	2, 126	9, 947, 899	2, 302	3, 155, 649	1, 968	136, 280
Polish National Catholic Church.....	84	3, 365, 600	87	485, 698	74	6, 401
Presbyterian bodies.....	13, 852	443, 672, 158	14, 259	87, 535, 390	13, 222	2, 001, 928
Presbyterian Church in the U. S. A.....	8, 437	338, 152, 743	8, 656	63, 230, 663	8, 237	1, 407, 298
Cumberland Presbyterian Church.....	986	3, 321, 287	961	759, 021	765	45, 052
United Presbyterian Church.....	879	29, 714, 845	890	6, 642, 820	871	148, 658
Presbyterian Church in the U. S.....	3, 148	67, 708, 658	3, 330	15, 612, 028	2, 950	367, 795
All other (5 bodies).....	402	4, 584, 625	422	1, 200, 858	390	30, 125
Protestant Episcopal Church.....	6, 532	314, 596, 738	6, 817	44, 790, 130	5, 607	479, 430
Reformed bodies.....	2, 618	88, 457, 147	2, 659	14, 810, 436	2, 489	465, 725
Reformed Church in America.....	690	38, 436, 822	714	5, 524, 673	689	121, 308
Reformed Church in the U. S.....	1, 680	44, 662, 875	1, 692	7, 488, 446	1, 614	315, 343
All other (2 bodies).....	248	5, 357, 450	253	1, 797, 317	186	26, 074
Roman Catholic Church.....	16, 254	837, 271, 053	16, 317	204, 526, 487	8, 239	1, 201, 330
Salvation Army.....	652	17, 738, 506	1, 014	6, 001, 317	1, 015	91, 586
Spiritualists.....	94	1, 384, 156	509	531, 508	92	5, 552
Unitarians.....	337	27, 713, 554	344	3, 418, 975	317	19, 722
United Brethren (3 bodies).....	3, 224	29, 578, 679	3, 288	7, 321, 073	3, 088	400, 749
Universalist Church.....	470	15, 826, 940	470	1, 616, 624	350	24, 738
All other denominations.....	5, 396	49, 939, 675	7, 259	14, 170, 269	6, 228	450, 205

Source. Bureau of the Census, Department of Commerce.

2.—DEFECTIVES, DELINQUENTS, AND DEPENDENTS

[Data in this section relate to continental United States. See also general note, p. 71]

No. 54.—DEFECTIVES, DELINQUENTS, AND DEPENDENTS: By STATES

NOTE.—For later data for prisoners and patients in State and Federal institutions see Tables 61, 62, 66, and 67

Division and State	Number enumerated							Ratio per 100,000 of population			
	Apr. 1, 1930		Jan. 1, 1923					Apr. 1, 1930		Jan 1, 1923	
	Deaf-mutes	Blind	Patients in hospitals for mental disease	Feeble-minded in institutions	Prisoners ¹	Juvenile delinquents ²	Paupers in almshouses	Deaf-mutes	Blind	Patients in hospitals for mental disease	Prisoners
United States.....	57,084	63,489	267,617	42,954	109,619	27,238	78,090	46 5	51 7	245. 0	99 7
New England.....	3,607	3,952	26,876	5,009	5,948	2,603	9,529	44 2	48 4	352. 7	77 8
Maine.....	444	520	1,864	467	511	258	745	55 7	78 5	240 6	65 9
New Hampshire.....	222	251	1,399	393	244	167	870	47 7	53 9	313. 5	54 6
Vermont.....	214	223	1,277	179	357	207	234	59 5	62 0	362. 3	101 3
Rhode Island.....	1,820	1,924	15,869	3,034	3,134	1,229	5,629	42 8	45 3	399 0	78. 3
Connecticut.....	330	347	1,630	377	547	196	889	49 3	50. 5	262 8	87. 7
Middle Atlantic.....	568	581	4,837	559	1,155	516	1,162	35 3	36. 2	333. 8	79. 0
New York.....	11,396	10,013	70,535	13,393	20,708	6,613	18,564	43 4	38 1	306. 4	89 4
New Jersey.....	5,873	4,418	40,986	7,278	10,635	3,202	8,740	42 7	35 1	382 6	98 7
Pennsylvania.....	1,324	1,222	8,864	1,633	2,594	887	1,764	32 8	30 2	267 4	77 5
East North Central.....	4,699	4,373	20,685	4,482	7,477	2,524	8,060	48 8	45 4	230 0	82 7
Ohio.....	12,168	14,120	56,881	10,323	21,059	4,987	21,405	48 1	55 8	255. 0	83 7
Indiana.....	3,047	4,154	13,163	2,510	5,638	1,604	6,872	45. 8	62 5	218 8	92. 9
Illinois.....	1,713	2,204	6,595	1,565	2,911	832	3,128	52 9	68 1	220 6	97 0
Michigan.....	3,315	4,490	19,061	2,458	6,166	1,200	6,415	43. 4	53 8	284. 4	91. 4
Wisconsin.....	2,336	1,742	8,971	2,132	4,722	750	3,262	48 2	36 0	230 7	120 0
West North Central.....	1,757	1,530	9,091	1,658	1,622	601	1,728	59. 8	52. 1	335 6	59 5
Minnesota.....	7,145	8,751	31,355	6,547	10,284	3,238	7,298	53 7	65 8	245 4	80. 0
Iowa.....	1,226	1,049	6,691	1,892	2,211	738	1,032	47. 8	40. 9	271. 2	89. 0
Missouri.....	1,162	1,577	6,902	1,596	1,946	555	1,711	47. 0	63. 8	281 7	79 1
North Dakota.....	1,999	3,879	8,806	779	2,726	904	2,712	55. 1	106 9	256 5	79. 3
South Dakota.....	306	195	1,269	338	338	160	120	44. 9	28. 6	190. 9	50 6
Nebraska.....	425	253	1,297	424	377	94	171	61. 3	36 5	199 5	57 7
Kansas.....	854	552	2,988	751	932	336	573	62. 0	40 1	225 8	70 2
South Atlantic.....	1,173	1,246	3,402	767	1,734	441	979	62. 4	66 2	190 1	96. 7
Delaware.....	7,278	8,226	28,637	2,444	17,301	4,241	6,875	46. 1	52. 1	198. 1	118 9
Maryland.....	64	101	518	50	318	153	277	26. 8	42 4	226. 9	138 6
Dist. of Col.....	737	799	4,719	773	1,866	912	1,368	45. 2	49 0	316 8	124 6
Virginia.....	118	157	3,931	473	473	380	313	24. 2	32 2	898 4	100. 5
West Virginia.....	1,373	1,405	5,129	644	2,466	542	1,211	56 7	58 0	216 1	103. 4
North Carolina.....	791	814	2,134	359	1,972	481	702	45 7	47 1	139 8	128 2
South Carolina.....	1,334	1,318	3,692	308	1,738	544	1,474	42 1	41 6	139 3	65 1
Georgia.....	846	1,028	2,414	123	1,255	477	451	48 7	59 1	139 8	72. 3
Florida.....	1,288	1,788	4,150	47	5,622	403	872	44. 3	61 5	139 7	188 4
East South Central.....	725	816	1,950	140	1,591	349	207	49 4	55 6	190 4	153. 7
Kentucky.....	4,619	6,053	13,450	621	9,849	1,465	4,097	46 7	61 2	149 1	108 9
Tennessee.....	1,316	1,977	4,708	531	2,484	618	1,457	50 3	75 6	192 2	101 1
Alabama.....	1,426	1,540	3,407	15	1,986	272	1,477	54 5	58 9	143. 3	83. 3
Mississippi.....	1,048	1,415	2,718	75	3,571	575	768	39 6	53 5	113 1	148 0
West South Central.....	829	1,121	2,617	75	1,808	(³)	395	41 2	55 8	146 2	101 0
Arkansas.....	5,700	6,126	14,938	739	9,344	1,570	2,075	46 8	50 3	140 7	7 4
Louisiana.....	918	1,101	2,121	7	1,555	205	578	49 5	59 4	118 0	86 0
Oklahoma.....	1,062	1,252	3,322	170	1,940	134	174	50 5	59 6	181. 0	105 3
Texas.....	1,372	1,167	2,895	330	1,957	293	250	57 3	48 7	136 3	91 3
Mountain.....	2,348	2,606	6,598	232	3,892	938	1,073	40 3	44 7	135. 7	79 4
Montana.....	1,777	2,363	6,471	731	3,441	1,144	1,778	48 0	63 8	184. 0	96 8
Idaho.....	305	235	1,438	91	405	182	324	56 7	43 7	242 3	67 2
Wyoming.....	136	156	609	253	337	271	193	30. 6	35 1	132 6	72 5
Colorado.....	60	53	426	128	358	59	62	26 6	23 5	205. 9	171. 0
New Mexico.....	532	751	2,147	259	1,184	483	667	51 4	72 5	220. 0	120 4
Arizona.....	263	607	392	-----	262	42	(⁴)	62 1	143 4	106 3	70. 7
Utah.....	174	259	554	-----	422	92	206	39 9	59 5	150 7	112. 8
Nevada.....	277	238	700	-----	264	(³)	188	54 5	46 9	149 3	55. 8
Pacific.....	30	64	205	-----	209	15	138	32 9	70 3	264 8	270 0
Washington.....	3,396	3,885	18,478	3,147	7,043	1,367	6,469	41 4	47 4	312. 1	117 5
Oregon.....	746	792	3,815	803	1,358	334	769	47 7	50 7	270. 2	95 4
California.....	549	496	2,666	675	577	193	580	57 6	52 0	328 4	70 6
Alaska.....	2,101	2,597	11,995	1,669	5,108	860	5,120	37 0	45 7	324. 4	136. 2

¹ Total includes 4,664 prisoners in Federal prisons

² In special institutions.

Source: Bureau of the Census, Department of Commerce.

³ Not reported

⁴ No almshouses maintained.

GENERAL NOTE.—The figures contained in this section can not be taken as an absolute index of conditions. The provisions for the care of these classes are so divergent in different States, and in the same State at different times, that the enumeration of persons in certain institutions may be far from reflecting the true differences or changes in the relative number of such persons in the population at large. Moreover, the methods of enumeration have been changed from time to time. The difficulty of formulating an adequate definition, the large element of personal judgment of the enumerator, and reluctance on the part of individuals to admit defects, all affect the accuracy of the data.

No. 55.—DEAF-MUTE POPULATION ENUMERATED: 1890 TO 1930

Division	Number on date of enumeration					Ratio per 100,000 population				
	1890 ¹	1900 ²	1910 ³	1920 ⁴	1930 ⁵	1890	1900	1910	1920	1930
United States.....	40,592	24,369	44,708	44,885	57,084	64.8	32.1	48.6	42.5	46.5
New England.....	3,389	1,279	2,373	3,093	3,607	72.1	22.9	36.2	41.8	44.2
Middle Atlantic.....	7,967	3,974	8,823	8,361	11,396	62.7	25.7	45.7	37.6	43.4
East North Central.....	9,837	5,634	9,810	10,770	12,168	73.0	35.2	53.8	50.2	48.1
West North Central.....	6,214	4,082	6,211	5,812	7,145	69.6	39.4	53.4	46.3	53.7
South Atlantic.....	5,597	3,673	6,260	5,946	7,276	63.2	35.2	51.3	42.5	46.1
East South Central.....	3,831	2,695	4,458	3,745	4,619	59.6	35.7	53.0	42.1	46.7
West South Central.....	2,478	2,100	4,298	3,902	5,700	52.3	32.1	48.9	38.1	46.8
Mountain.....	508	370	1,027	1,211	1,777	41.8	22.1	39.0	36.3	48.0
Pacific.....	771	562	1,448	2,045	3,396	40.8	23.3	34.5	36.7	41.4

¹ Deaf persons unable to speak at all.

² Deaf persons unable to speak at all, for whom special schedules were returned.

³ Persons reported as deaf and dumb by the population enumerators.

⁴ Deaf-mutes reported by census enumerators and by schools, institutions, and organizations for the deaf.

Source: Bureau of the Census, Department of Commerce.

No. 56.—DEAF-MUTES BY SEX, COLOR OR RACE, AND AGE, 1930

Division	Total number enumer- ated	By sex		By color or race				
		Male	Female	White	Negro	Mexi- can	Indian	Other races
United States.....	57,084	29,249	27,835	52,165	4,191	410	283	35
New England.....	3,607	1,738	1,869	3,585	18	-----	2	2
Middle Atlantic.....	11,396	5,677	5,719	11,182	196	1	16	1
East North Central.....	12,168	6,237	5,931	11,885	260	6	17	-----
West North Central.....	7,145	3,767	3,378	6,954	132	4	55	-----
South Atlantic.....	7,276	3,749	3,527	5,437	1,829	-----	9	1
East South Central.....	4,619	2,432	2,187	3,643	976	-----	-----	-----
West South Central.....	5,700	2,937	2,763	4,711	749	184	56	-----
Mountain.....	1,777	953	824	1,538	11	122	104	2
Pacific.....	3,396	1,759	1,637	3,230	20	93	24	20

Division	By age at enumeration								
	Under 5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-44 years	45-64 years	65 years and over	Un- known
United States.....	919	3,950	6,262	5,669	4,705	16,782	12,335	6,386	78
New England.....	53	211	267	240	263	960	912	699	2
Middle Atlantic.....	140	889	1,466	1,309	781	3,057	2,395	1,347	12
East North Central.....	192	655	846	795	915	3,868	3,267	1,602	28
West North Central.....	98	435	739	661	532	2,014	1,765	887	14
South Atlantic.....	146	607	924	809	795	2,220	1,249	521	5
East South Central.....	92	368	631	584	473	1,329	815	324	3
West South Central.....	101	415	798	751	537	1,849	859	381	9
Mountain.....	51	142	202	148	171	524	347	191	1
Pacific.....	46	228	389	372	238	961	726	434	2

Source: Bureau of the Census, Department of Commerce.

No. 57.—BLIND POPULATION ENUMERATED: 1890 TO 1930

Division	Number on date of enumeration					Ratio per 100,000 population				
	1890	1900 ¹	1910	1920 ²	1930	1890	1900	1910	1920	1930
United States.....	50,568	64,763	57,272	52,567	63,489	80.8	85.2	62.3	49.7	51.7
New England.....	4,367	4,846	4,090	4,699	3,952	92.9	86.7	62.4	63.5	48.4
Middle Atlantic.....	9,154	10,931	10,001	9,374	10,013	72.1	70.7	51.8	42.1	38.1
East North Central.....	11,229	14,666	11,731	12,234	14,120	83.4	91.7	64.3	57.0	55.8
West North Central.....	6,319	8,714	6,679	6,111	8,751	71.1	84.2	57.4	48.7	65.8
South Atlantic.....	7,867	9,159	8,279	6,694	8,226	88.8	87.7	67.9	47.8	52.1
East South Central.....	6,190	8,221	7,019	4,935	6,053	96.3	108.9	83.5	55.5	61.2
West South Central.....	3,610	5,264	5,621	4,258	6,126	80.1	80.6	64.0	41.6	50.3
Mountain.....	762	1,307	1,787	1,906	2,363	65.9	78.0	67.9	57.1	63.8
Pacific.....	1,040	1,655	2,065	2,356	3,885	55.6	68.5	49.3	42.3	47.4

¹ Figures relate only to those for whom special schedules were returned² Blind reported by census enumerators, and by schools for the blind, and other agencies.

Source. Bureau of the Census, Department of Commerce

No. 58.—BLIND POPULATION BY SEX, COLOR OR RACE, AND AGE, 1930

Division	Total number enumer- ated	By sex		By color or race				
		Male	Female	White	Negro	Mexican	Indian	Other races
United States.....	63, 489	36, 529	26, 960	52, 861	9, 128	784	681	35
New England.....	3, 952	2, 099	1, 853	3, 864	81	-----	6	1
Middle Atlantic.....	10, 013	5, 685	4, 328	9, 502	499	1	9	2
East North Central.....	14, 120	8, 089	6, 031	13, 311	768	6	35	-----
West North Central.....	8, 751	5, 014	3, 737	8, 057	570	12	111	1
South Atlantic.....	8, 226	4, 834	3, 392	4, 900	3, 322	-----	4	-----
East South Central.....	6, 053	3, 482	2, 571	3, 895	2, 154	-----	4	-----
West South Central.....	6, 126	3, 545	2, 581	4, 067	1, 595	362	98	4
Mountain.....	2, 363	1, 427	936	1, 786	34	245	294	4
Pacific.....	3, 885	2, 354	1, 531	3, 479	105	158	120	23

Division	By age at enumeration								
	Under 5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-44 years	45-64 years	65 years and over	Un- known
United States.....	504	1, 113	1, 814	2, 039	1, 965	10, 058	17, 814	28, 113	69
New England.....	34	44	77	98	114	553	1, 140	1, 890	2
Middle Atlantic.....	105	184	326	326	310	1, 586	3, 007	4, 162	7
East North Central.....	99	161	246	279	321	2, 081	4, 027	6, 892	14
West North Central.....	43	163	269	292	218	1, 140	2, 314	4, 303	9
South Atlantic.....	82	194	309	353	363	1, 706	2, 356	2, 856	7
East South Central.....	53	117	159	200	238	1, 062	1, 657	2, 560	7
West South Central.....	55	114	186	234	219	1, 082	1, 667	2, 560	9
Mountain.....	16	68	77	93	68	328	583	1, 129	1
Pacific.....	17	68	165	164	114	520	1, 063	1, 761	13

Source: Bureau of the Census, Department of Commerce.

No. 59.—PAUPERS ENUMERATED IN ALMSHOUSES: 1880 to 1923

NOTE.—Data as to number admitted to almshouses during 1922, by sex, race, and nativity, are shown in Statistical Abstract, 1931, Table 60. No data collected since Jan. 1, 1923

Division	Number on date of enumeration ¹					Ratio per 100,000 of population				
	1880	1890	1904	1910	1923	1880	1890	1904	1910	1923
United States.....	66,203	73,044	81,764	84,198	78,090	132.0	118.8	100.0	91.5	71.5
New England.....	9,835	9,500	11,195	11,886	9,529	215.2	202.1	193.5	181.4	125.1
Middle Atlantic.....	24,098	21,643	21,783	23,772	18,561	229.6	170.4	129.2	123.1	80.6
East North Central.....	16,474	20,279	21,127	21,358	21,103	147.0	150.5	125.7	117.0	96.0
West North Central.....	3,337	5,336	6,618	6,366	7,298	51.2	60.0	61.2	54.7	57.1
South Atlantic.....	6,975	8,100	8,298	7,706	6,875	91.8	91.4	74.9	63.2	47.6
East South Central.....	3,361	4,210	4,768	4,266	1,097	60.2	66.0	60.7	50.7	45.4
West South Central.....	315	809	1,689	1,630	2,075	9.4	17.8	23.0	18.6	19.5
Mountain.....	152	367	1,283	1,652	1,778	23.3	31.7	63.4	62.7	50.6
Pacific.....	1,656	2,770	4,703	5,562	6,469	148.6	148.0	153.6	132.7	109.3

¹ June 1, 1880 and 1890; Jan. 1, 1904, 1910, and 1923

No. 60.—PAUPERS ENUMERATED IN ALMSHOUSES: BY AGE GROUPS

Age group	Number enumerated					Per cent distribution				
	1880	1890	1904	1910	1923	1880	1890	1904	1910	1923
All ages.....	66,203	73,044	81,764	84,198	78,090	100.0	100.0	100.0	100.0	100.0
Under 15 years.....	8,885	5,627	2,755	2,370	1,896	13.4	7.7	3.4	2.8	2.4
15 to 24 years.....	4,906	4,382	3,240	2,514	1,659	7.5	6.0	4.0	3.0	2.1
25 to 44 years.....	17,609	17,077	13,573	11,994	7,427	26.6	23.4	16.6	14.2	9.5
45 to 59 years.....	12,807	15,037	18,810	20,613	15,104	19.3	20.6	23.0	24.5	19.3
60 to 74 years.....	14,307	18,865	26,803	30,189	32,371	21.6	25.8	32.8	35.9	41.5
75 years and over.....	7,599	10,714	15,034	15,843	18,763	11.5	14.7	18.4	18.8	24.0
Age unknown.....		1,342	1,519	675			1.8	1.9	.8	1.1

No. 61.—MENTAL PATIENTS, FEEBLE-MINDED, AND EPILEPTICS IN STATE INSTITUTIONS, AND PRISONERS IN STATE AND FEDERAL PRISONS AND REFORMATORIES: 1910 to 1933

Year	State hospitals for mental disease ¹				State institutions for feeble-minded and epileptics				Prisons and reformatories ²			
	First admissions		Patients present on a given date ³		First admissions		Patients present on a given date ³		Prisoners received from courts during the year		Prisoners present on a given date ³	
	Number	Per 100,000 population ⁴	Number	Per 100,000 population ⁵	Number	Per 100,000 population ⁴	Number	Per 100,000 population ⁵	Number	Per 100,000 population ⁴	Number	Per 100,000 population ⁽⁵⁾
1910.....			159,096	173.0			6 17,411	18.9	29,710	32.3	68,735	71.7
1922.....	50,286	45.8	222,406	204.0	7,467	6.8	43,579	40.0				
1923.....			229,664	207.5			46,580	42.1	38,628	34.6	81,959	74.0
1926 ⁷	52,793	46.2	246,486	217.2	8,171	7.0	55,201	47.9	48,108	42.2	91,669	80.6
1927 ⁷	56,144	47.5	256,858	219.0	8,353	7.3	58,367	51.3	51,936	45.1	97,991	85.5
1928 ⁷	59,417	49.6	264,511	222.3	9,405	8.2	60,412	52.3	55,746	47.6	109,346	92.2
1929 ⁷	60,500	49.8	272,252	225.6	9,795	8.2	64,417	54.1	58,906	51.4	116,390	98.6
1930 ⁷	62,987	51.1	280,252	229.0	10,137	8.3	68,035	56.4	66,013	56.2	120,496	104.4
1931 ⁷	67,152	54.1	292,284	236.4	10,583	8.8	71,581	60.0	71,520	61.4	129,453	111.6
1932 ⁷	66,785	53.5	305,315	245.2	10,676	8.7	76,535	63.7	67,177	58.4	137,082	119.0
1933.....			318,948	254.8			81,589	65.2			137,183	118.5

¹ Includes 2 Federal hospitals—St. Elizabeths, Dist. of Col., and Asylum for Insane Indians, S. Dak.

² Includes Federal civil prisons and State penal institutions used entirely or chiefly for adult offenders convicted of felonies

³ In general, Jan. 1, but data for a few institutions relate to other dates.

⁴ Based on enumerated population Apr. 15, 1910, and estimated population July 1 of other years.

⁵ Based on enumerated population Apr. 15, 1910, and estimated population Jan. 1 of other years.

⁶ Does not include 7 special State institutions for epileptics, included for later enumerations.

⁷ Figures exclude institutions not reporting as follows: 1 institution for the feeble-minded in 1926, 1927, 1929, and 1930 and 2 in 1928, 1931, 1932, and 1933, 2 State hospitals in 1926, 3 State prisons in 1926, 1928, 1929, 1930, and 1931, 2 in 1927, and 4 in 1932 and 1933.

Source of Tables 59, 60, and 61 Bureau of the Census, Department of Commerce.

**No. 62.—STATE HOSPITALS FOR MENTAL DISEASE: FIRST ADMISSIONS
DURING 1922, 1931, AND 1932, BY PSYCHOSIS¹**

Psychosis	Number			Per 100,000 population		
	1922 ²	1931	1932	1922 ²	1931	1932
Grand total.....	52,472	67,152	66,785	47.8	54.1	53.5
With psychosis, total.....	49,116	61,621	61,178	44.7	49.7	49.0
Traumatic.....	136	310	310	1	.3	.2
Senile.....	5,101	5,944	5,992	4.6	4.8	4.8
With cerebral arteriosclerosis.....	3,045	6,853	7,331	2.8	5.5	5.9
General paralysis.....	4,977	5,336	5,619	4.5	4.3	4.5
With cerebral syphilis.....	589	1,214	1,196	.5	1.0	1.0
With Huntington's chorea.....	86	124	119	.1	.1	.1
With brain tumor.....	38	46	77	(3)	(3)	.1
With other brain or nervous diseases.....	456	862	890	.4	.7	.7
Alcoholic.....	1,819	2,976	2,693	1.7	2.4	2.2
Due to drugs and other exogenous toxins.....	355	368	320	.3	.3	.3
With pellagra.....	339	971	558	.3	.8	.4
With other somatic diseases.....	1,285	1,726	1,545	1.2	1.4	1.2
Manic-depressive.....	8,095	9,584	9,598	7.4	7.7	7.7
Involution melancholia.....	1,083	1,369	1,420	1.0	1.1	1.1
Dementia præcox (schizophrenia).....	11,887	13,830	13,696	10.8	11.1	11.0
Paranoia or paranoid conditions.....	1,266	1,021	1,125	1.2	.8	.9
Epileptic psychoses.....	1,513	1,642	1,548	1.4	1.3	1.2
Psychoneuroses and neuroses.....	1,063	1,339	1,425	1.0	1.1	1.1
With psychopathic personality.....	704	809	768	.7	.7	.6
With mental deficiency.....	1,615	2,409	2,289	1.5	1.9	1.8
Undiagnosed psychoses.....	3,142	2,547	2,659	2.9	2.1	2.1
Psychoses not reported.....	462	313		.4		
Without psychosis, total.....	3,356	5,531	5,607	3.1	4.5	4.5
Epilepsy.....	(4)	229	251	-----	-----	2
Alcoholism.....	(4)	1,808	1,856	-----	1.5	1.5
Drug addiction.....	(4)	607	561	-----	.5	.4
Psychopathic personality.....	(4)	427	440	-----	.3	.4
Mental deficiency.....	(4)	1,056	988	-----	.9	.8
Others without psychosis.....	(4)	1,404	1,511	-----	1.1	1.2

¹ See footnote 1, Table 61.

² Figures include 2,186 admissions to three State psychopathic hospitals in Iowa, Massachusetts, and Michigan, which were not separately tabulated by psychosis.

³ Less than one-tenth of 1 per 100,000.

⁴ Separate figures not available.

No. 63.—PATIENTS IN ALL HOSPITALS FOR MENTAL DISEASE: 1880 TO 1923

Division	Number on date of enumeration ¹					Ratio per 100,000 population				
	1880 ²	1890 ²	1904	1910	1923	1880	1890	1904	1910	1923
United States.....	40,942	74,028	150,151	187,791	287,617	81.6	118.2	183.6	204.2	245.0
New England.....	5,294	7,693	14,855	19,580	26,876	132.0	163.7	250.1	298.8	352.7
Middle Atlantic.....	12,710	21,435	42,562	52,380	70,535	121.1	168.8	252.5	271.2	306.4
East North Central.....	8,966	15,674	33,039	41,246	56,881	80.0	116.3	196.6	226.0	255.0
West North Central.....	3,493	8,641	18,595	22,683	31,355	56.7	97.2	171.9	194.0	245.4
South Atlantic.....	4,660	9,007	16,514	19,952	28,637	61.3	101.7	149.1	163.6	198.1
East South Central.....	2,549	4,493	7,867	9,759	13,450	45.6	69.9	100.1	116.0	149.1
West South Central.....	800	2,043	6,010	8,413	14,936	24.0	45.0	81.8	95.8	140.7
Mountain.....	107	858	2,529	3,574	6,471	16.4	74.2	125.0	135.7	184.0
Pacific.....	2,363	4,184	8,180	10,204	18,476	212.0	223.6	257.2	243.4	312.1

¹ June 1, 1880 and 1890, Jan. 1, 1904, 1910, and 1923.

² Total insane enumerated, including those not in hospitals, was 91,959 in 1880 and 106,485 in 1890.

³ Includes patients of 1 State and 11 private hospitals for whom individual schedules were not received.

No. 64.—PATIENTS IN ALL HOSPITALS FOR MENTAL DISEASE: BY AGES

Age group	Number enumerated				Per cent distribution			
	1890	1904	1910	1923	1890	1904	1910	1923
All ages.....	74,028	150,151	187,791	285,829	100.0	100.0	100.0	100.0
Under 15 years.....	51	112	341	634	.1	.1	.2	.2
15 to 24 years.....	4,621	8,625	10,113	14,110	6.2	5.7	5.4	5.3
25 to 44 years.....	36,346	66,719	79,351	109,757	49.1	44.4	42.3	41.3
45 to 59 years.....	21,727	45,855	60,142	82,240	29.3	30.5	32.0	30.9
60 to 74 years.....	8,402	21,111	28,537	45,429	11.3	14.1	15.2	17.1
75 years and over.....	1,351	4,217	6,073	9,759	1.8	2.8	3.2	3.7
Age unknown.....	1,530	3,512	3,234	3,900	2.1	2.3	1.7	1.5

Source of Tables 62, 63, and 64. Bureau of the Census, Department of Commerce.

No. 65.—PRISONERS IN ALL PENAL INSTITUTIONS: 1880 TO 1923

NOTE.—Additional data regarding prisoners in all penal institutions Jan. 1, 1923, and commitments during 1923, by sex, race, nativity and age, by class of institution, and by nature and length of sentence, are shown in Statistical Abstract 1931, Table 68 to 70. Data for all penal institutions have not been collected since 1923. For data regarding prisoners in State and Federal prisons and reformatories, 1926 to 1933 and earlier years, see Tables 61, 66, and 67.

Division	Number on date of enumeration ¹				Ratio per 100,000 of population			
	1880	1904	1910	1923	1880	1904	1910	1923
United States.....	49,527	81,772	99,189	104,067	98.7	99.0	107.9	94.6
New England.....	4,770	8,599	9,698	5,746	118.9	143.6	148.0	75.0
Middle Atlantic.....	13,815	18,790	22,165	20,150	131.6	110.2	114.8	87.0
East North Central.....	7,769	12,042	13,476	19,281	69.3	71.2	73.8	85.8
West North Central.....	3,768	7,828	8,216	9,823	61.2	71.9	70.6	76.6
South Atlantic.....	6,895	10,740	14,915	15,703	90.8	96.2	122.3	108.0
East South Central.....	5,197	7,524	10,384	9,648	93.1	95.2	123.5	106.7
West South Central.....	4,192	7,090	8,410	8,435	125.7	95.0	95.8	83.6
Mountain.....	743	2,954	4,171	3,322	113.8	142.6	158.4	93.5
Pacific.....	2,378	4,564	5,851	6,795	213.4	144.8	139.0	113.4

¹ June 1, 1880, June 30, 1904; Jan. 1, 1910 and 1923. Includes only sentenced prisoners, exclusive of those imprisoned for nonpayment of fine (5,552 for 1923).

² Including prisoners in Federal prisons, as follows: 1,641 in 1904; 1,904 in 1910, and 4,664 in 1923.

No. 66.—STATE AND FEDERAL PRISONS AND REFORMATORIES: PRISONERS RECEIVED FROM COURTS DURING THE YEAR, BY PRINCIPAL OFFENSES

NOTE.—For distribution of prisoners in all penal institutions, 1910 and 1923, by principal offenses, see Statistical Abstract, 1929, Table 78.

Sex and offense	Number				Ratio per 100,000 population ¹			
	1910	1923	1931	1932	1910	1923	1931 ²	1932 ²
Male, total.....	26,222	35,216	68,483	64,546	55.5	61.9	116.1	110.4
Homicide.....	2,535	3,220	3,528	3,513	5.4	5.7	6.0	6.0
Rape.....	1,077	1,497	1,796	1,287	2.3	2.6	3.0	2.2
Robbery.....	1,216	2,923	8,496	8,153	2.6	5.1	14.4	13.9
Assault.....	2,610	1,830	3,016	2,925	5.5	3.2	5.1	5.0
Burglary.....	6,004	6,295	14,183	15,230	12.7	11.1	24.0	26.0
Forgery.....	1,611	2,568	4,417	3,849	3.4	4.5	7.5	6.6
Embezzlement.....	293	494	1,440	2,106	.6	.9	2.4	3.6
Fraud.....	509	614	2,198	547	1.1	1.1	3.7	.9
Having stolen property.....	231	638	13,288	13,707	14.1	11.8	22.5	23.4
Larceny.....	6,676	1,110	1,202	1,363	1.7	2.0	2.0	2.3
Sex offenses, except rape.....	706	2,533	7,445	6,103	.6	4.5	12.6	10.4
Violating liquor laws.....	306	2,015	1,616	1,399	(3)	3.5	2.7	2.4
Violating drug laws.....	146	242	476	428	.3	.4	.8	.7
Carrying weapons.....	22	232	638	487	.2	.4	1.1	.8
Nonsupport or neglect of family.....	115	2,167	4,464	3,425	4.2	3.9	8.1	5.9
Other.....	2,015	148	-----	22	.1	.3	-----	(3)
Not reported.....	60	-----	-----	-----	-----	-----	-----	-----
Female, total.....	1,510	2,369	3,037	2,931	3.4	4.3	5.3	5.1
Homicide.....	118	223	276	223	.3	.4	.5	.4
Robbery.....	20	38	115	94	(3)	.1	.2	.2
Assault.....	103	59	130	148	.2	.1	.2	.3
Burglary.....	47	42	92	124	.1	.1	.2	.3
Forgery.....	15	81	181	162	(3)	.1	.3	.3
Embezzlement.....	10	16	63	90	(3)	(3)	.1	.2
Fraud.....	12	24	59	29	(3)	(3)	.1	.1
Having stolen property.....	365	293	394	365	.8	.5	.7	.6
Larceny.....	340	543	600	596	.8	1.0	1.0	1.0
Sex offenses.....	19	186	365	272	(3)	.3	.6	.5
Violating liquor laws.....	1	166	182	216	(3)	.3	.3	.4
Violating drug laws.....	4	2	10	8	(3)	(3)	(3)	(3)
Carrying weapons.....	20	50	56	52	(3)	.1	.1	.1
Nonsupport or neglect of family.....	435	620	514	551	1.0	1.1	.9	1.0
Other.....	-----	18	-----	1	-----	(3)	-----	(3)
Not reported.....	-----	-----	-----	-----	-----	-----	-----	-----

¹ Based upon enumerated population Apr. 15, 1910, and estimated population July 1, 1923, 1931, and 1932.

² Based upon estimated population proportional to prisoners of each sex reported in detail.

³ Less than one-tenth of 1 per 100,000.

Source of Tables 65 and 66: Bureau of the Census, Department of Commerce.

No. 67.—STATE AND FEDERAL PRISONS AND REFORMATORIES: ADMISSIONS
DURING THE YEAR AND NUMBER PRESENT ON JANUARY 1, BY STATES

State	Prisoners received from courts during the year						Prisoners present on Jan 1				
	Number					Per 100,000 population					
	1910	1923	1930	1931	1932	1910	1932	1910	1923	1932	1933
United States.....	29,710	33,628	166,013 ¹	71,520 ²	67,477	32	58	68,735	81,959 ²	137,082 ²	137,183
Federal prisons and reformatories.....	987	3,703	9,800	10,615	9,652	1	8	1,904	4,664	12,964	12,282
State prisons and reformatories.....	28,723	34,925	56,213	60,905	57,825	32	50	66,831	77,295	124,118	124,901
New England:											
Maine.....	69	202	216	316	314	9	39	201	379	514	559
New Hampshire.....	43	35	107	77	93	10	20	147	138	189	199
Vermont.....	(³)	277	359	417	358	---	99	170	316	440	432
Massachusetts.....	1,114	693	972	929	1,133	33	26	1,966	1,448	2,499	2,643
Rhode Island.....	653	294	179	216	198	121	28	421	468	463	532
Connecticut.....	186	346	679	604	651	17	40	605	891	1,342	1,366
Middle Atlantic:											
New York.....	3,188	2,666	3,349	3,679	3,629	35	28	7,073	6,316	9,089	9,615
New Jersey.....	814	825	1,761	1,977	1,743	32	42	1,839	1,912	3,263	3,212
Pennsylvania.....	1,145	1,256	2,397	2,572	2,248	15	23	3,510	4,293	6,307	6,396
East North Central:											
Ohio.....	1,115	2,264	3,712	3,511	3,235	23	48	2,561	4,234	9,154	8,603
Indiana.....	770	1,358	1,942	2,062	1,864	29	57	2,362	2,302	4,727	4,762
Illinois.....	844	1,387	2,658	2,629	2,582	15	33	2,509	4,416	9,890	10,440
Michigan.....	559	1,996	3,949	3,733	3,268	20	65	1,596	3,641	8,995	8,689
Wisconsin.....	527	532	1,258	1,285	1,247	23	42	953	1,158	2,584	2,696
West North Central											
Minnesota.....	444	659	864	1,166	1,129	21	44	1,092	1,634	2,443	2,593
Iowa.....	333	753	976	1,047	930	15	38	963	1,794	2,971	3,057
Missouri.....	839	912	1,950	2,249	1,932	26	53	2,307	2,205	4,577	4,579
North Dakota.....	102	136	233	268	216	18	32	212	244	433	369
South Dakota.....	152	185	308	391	380	26	54	207	326	529	580
Nebraska.....	197	378	636	723	664	17	48	481	789	1,230	1,267
Kansas.....	500	1,001	1,545	1,246	1,246	30	66	1,264	1,574	2,537	2,474
South Atlantic:											
Delaware.....	(⁵)	(⁵)	(⁵)	336	403	---	168	(⁵)	(⁵)	340	272
Maryland.....	1,700	1,390	2,899	2,831	2,873	131	174	1,675	1,483	2,549	2,489
Dist. of Columbia.....	(⁵)	(⁵)	(⁵)	475	606	---	123	(⁵)	(⁵)	813	1,048
Virginia.....	662	608	1,336	1,419	1,849	32	76	2,145	1,960	2,991	3,312
West Virginia.....	425	772	1,171	1,388	1,498	35	85	1,071	1,628	2,571	2,642
North Carolina.....	192	368	1,362	1,591	1,211	9	37	710	1,046	2,886	2,719
South Carolina.....	237	351	554	664	(⁵)	16	---	848	528	(⁵)	(⁵)
Georgia.....	744	876	(⁵)	(⁵)	(⁵)	29	---	2,638	3,738	(⁵)	(⁵)
Florida.....	428	451	1,042	1,315	1,336	57	87	1,297	1,308	2,985	2,950
East South Central.											
Kentucky.....	855	827	2,260	2,421	2,671	37	101	2,028	2,079	3,504	3,439
Tennessee.....	652	599	1,459	1,652	1,422	30	54	1,813	1,630	2,926	2,734
Alabama.....	1,785	1,057	(⁵)	(⁵)	(⁵)	84	---	3,381	3,169	(⁵)	(⁵)
Mississippi.....	624	478	991	(⁵)	(⁵)	35	---	1,690	1,020	(⁵)	(⁵)
West South Central:											
Arkansas.....	570	957	1,266	1,430	1,145	36	61	794	1,410	1,374	1,064
Louisiana.....	750	559	1,070	1,320	1,316	45	62	1,999	1,593	2,775	2,601
Oklahoma.....	818	1,711	2,137	2,853	2,517	49	103	1,110	1,799	4,164	4,100
Texas.....	1,131	1,503	2,607	3,196	3,300	29	55	3,523	3,577	5,385	5,190
Mountain:											
Montana.....	297	243	398	328	315	79	59	691	331	611	604
Idaho.....	95	119	(⁵)	222	172	29	39	220	284	330	266
Wyoming.....	123	125	135	151	107	84	47	257	335	352	312
Colorado.....	596	562	872	1,067	911	75	87	851	1,015	1,382	1,344
New Mexico.....	193	164	280	378	304	59	71	313	239	546	545
Arizona.....	279	207	369	362	368	137	82	405	355	587	640
Utah.....	149	186	223	217	192	40	37	270	200	329	297
Nevada.....	80	75	125	165	121	98	130	199	174	255	228
Pacific:											
Washington.....	510	750	1,053	1,227	1,031	45	65	1,249	1,010	1,911	1,801
Oregon.....	221	262	501	482	493	33	51	399	406	861	868
California.....	1,008	1,570	2,023	2,318	2,614	42	44	2,816	3,837	7,515	8,373

¹ Excluding 3 institutions not reported.² Excluding 4 institutions not reported.³ No report.⁴ Data for 1910 and 1923 include the State workhouse and house of correction, data for later years include the State reformatory for women, established since 1923.⁵ State prisoners in Delaware in New Castle County workhouse and those for the District of Columbia in Lorton Reformatory, Va., are excluded prior to 1931.⁶ Includes data for the Maryland house of correction and the State penitentiary.

Source: Bureau of the Census, Department of Commerce.

3. VITAL STATISTICS

GENERAL NOTE.—Vital statistics are registered by the States in the first instance, but duplicates of the original certificates of individual births and deaths are received and tabulated by the Census Bureau. Owing to the gradual expansion of the "registration" areas (see Tables 68, 74, and 83), the number of births and deaths for the areas as a whole are not strictly comparable but, in most cases, the rates are affected very slightly.

General tables cover the registration area in continental United States. Hawaii and the Virgin Islands are shown separately in certain tables. Stillbirths, shown in Table 78, are excluded from data for both births and deaths.

Rates for the years 1920 to 1929 are based on population estimates revised to conform with the 1930 census returns. Rates for the years 1930, 1931 and 1932 are based upon the best estimates of population available at this time.

Beginning with 1930 the Bureau of the Census includes Mexicans with the colored in tables showing data by color. In such tables, for this section, Mexicans have been included with the white for 1930, 1931, and 1932 in order that the data may be comparable with previous years.

NO. 68.—DEATHS: NUMBER AND RATES IN THE DEATH REGISTRATION AREA, 1880 TO 1932

NOTE.—See general note above

Year	Registration area			All deaths		Deaths under 1 year of age		Deaths under 5 years of age	
	Population	Percent of U. S. total population	Percent of U. S. total area	Number	Rate per 1,000 population	Number	Percent of all deaths	Number	Percent of all deaths
1880 ¹ -----	8,538,366	17.0	0.6	169,453	19.8	48,041	28.3	74,810	44.0
1890 ¹ -----	19,659,440	31.2	3.0	386,212	19.6	86,790	22.5	133,778	34.6
1900-----	30,765,618	40.5	7.1	539,939	17.6	111,687	20.7	164,137	30.4
1901-----	31,370,952	40.3	7.2	518,207	16.5	97,477	18.8	141,678	27.3
1902-----	32,029,815	40.4	7.2	508,640	15.9	98,575	19.4	143,515	28.2
1903-----	32,701,083	40.4	7.2	524,415	16.0	96,857	18.5	139,940	26.7
1904-----	33,345,163	40.4	7.2	551,354	16.5	102,880	18.7	145,902	26.5
1905-----	34,052,201	40.4	7.2	545,533	16.0	105,553	19.3	147,384	27.0
1906-----	41,983,419	48.9	20.3	658,105	15.7	133,105	20.2	186,978	28.4
1907-----	43,016,990	49.2	20.3	687,034	16.0	131,110	19.1	183,774	26.7
1908-----	46,789,913	52.5	24.4	691,574	14.8	136,432	19.7	189,865	27.5
1909-----	50,870,518	56.1	25.7	732,538	14.4	140,057	19.1	190,534	26.8
1910-----	53,831,742	58.3	33.6	805,412	15.0	154,373	19.2	217,319	27.0
1911-----	59,183,071	63.2	37.5	839,284	14.2	149,322	17.8	209,482	25.0
1912-----	60,359,974	63.5	37.2	838,251	13.9	147,455	17.6	204,039	24.4
1913-----	63,200,625	65.5	38.6	890,848	14.1	159,435	17.9	225,129	25.3
1914-----	65,813,315	67.2	41.3	898,059	13.6	155,075	17.3	214,120	23.8
1915-----	67,095,681	67.5	41.3	909,155	13.6	148,561	16.3	203,223	22.4
1916-----	71,349,162	70.8	44.0	1,001,921	14.0	164,660	16.4	234,081	23.4
1917-----	74,984,488	73.4	45.4	1,068,932	14.3	171,024	16.0	243,708	22.8
1918-----	81,333,675	78.5	52.0	1,471,367	18.1	193,855	13.2	305,143	20.8
1919-----	85,166,043	81.1	55.5	1,096,436	12.9	161,621	14.7	229,813	21.0
1920-----	87,632,592	82.3	58.0	1,142,558	13.0	174,710	15.3	248,432	21.7
1921-----	89,102,434	82.3	58.0	1,032,009	11.6	160,011	15.5	220,688	21.4
1922-----	93,866,240	85.4	66.1	1,101,863	11.7	158,560	14.4	218,201	19.8
1923-----	97,816,104	87.7	68.0	1,193,017	12.2	166,274	13.9	233,918	19.6
1924-----	100,082,062	88.4	70.3	1,173,990	11.7	161,404	13.7	220,122	18.7
1925-----	102,951,999	89.6	70.9	1,219,019	11.8	161,961	13.3	218,294	17.9
1926-----	104,938,301	90.1	74.7	1,285,927	12.3	163,343	12.7	226,824	17.6
1927-----	108,177,568	91.5	76.5	1,230,949	11.4	147,134	11.9	199,507	16.1
1928-----	114,258,516	95.3	80.8	1,378,675	12.1	155,868	11.3	216,090	15.7
1929-----	116,317,515	95.7	88.6	1,386,363	11.9	148,886	10.7	206,028	14.9
1930-----	118,560,800	96.2	91.2	1,343,356	11.3	145,374	10.8	195,200	14.5
1931-----	119,421,000	96.3	91.2	1,322,587	11.1	132,874	10.0	178,537	13.5
1932-----	120,162,000	96.3	91.2	1,308,529	10.9	121,267	9.3	160,508	12.3

¹ Census year ended May 31.

Source. Bureau of the Census, Department of Commerce.

No. 69.—DEATHS: RATES PER 1,000 POPULATION, BY SEX AND BY AGE GROUPS

NOTE.—It is necessary for accurate comparison of different years to consider only States having registration throughout the period compared See also general note p. 77

Sex and age group	Registration States as of 1900						Registration States as of 1920					
	1901-1905, Average	1911-1915, Average	1921-1925, Average	1930	1931	1932	1920	1925	1929	1930	1931	1932
Both sexes, all ages	15.8	14.6	12.3	11.5	11.4	11.3	13.0	11.9	12.0	11.4	11.2	11.1
Under 1 year.....	138.2	123.0	89.2	68.0	61.6	55.5	96.9	83.9	71.6	69.2	63.6	57.9
1 to 4 years.....	15.8	11.8	7.7	4.8	4.6	3.9	9.8	6.9	6.3	5.4	5.0	4.3
Under 5 years.....	41.7	34.6	23.3	16.8	15.3	13.6	26.7	21.7	18.8	17.5	16.2	14.5
5 to 9 years.....	4.1	3.1	2.6	1.9	1.9	1.6	3.0	2.2	2.1	1.9	1.8	1.6
10 to 14 years.....	2.7	2.1	1.9	1.4	1.4	1.4	2.3	1.8	1.6	1.5	1.5	1.4
15 to 19 years.....	4.4	3.5	2.9	2.3	2.2	2.1	4.0	3.2	2.9	2.7	2.6	2.3
20 to 24 years.....	6.1	4.9	3.8	3.3	3.2	2.8	5.7	4.3	4.2	3.8	3.7	3.3
25 to 34 years.....	7.5	6.1	4.6	4.0	3.8	3.6	6.8	5.0	4.9	4.5	4.4	4.1
35 to 44 years.....	9.9	9.0	6.8	6.3	6.3	5.9	8.2	7.1	7.2	6.7	6.7	6.3
45 to 54 years.....	14.4	14.3	12.1	12.2	12.4	12.1	12.1	12.0	12.6	12.3	12.2	11.9
55 to 64 years.....	27.1	27.5	25.0	25.4	25.4	25.7	23.6	23.9	25.0	24.4	24.2	24.4
65 to 74 years.....	55.1	58.0	64.6	53.9	53.8	55.8	51.8	52.3	54.4	52.0	51.5	52.5
75 years and over.....	137.8	140.1	136.2	134.6	133.8	141.6	133.2	133.7	139.6	130.5	130.5	138.1
Males, all ages	16.6	15.5	12.9	12.3	12.2	11.9	13.4	12.6	12.9	12.4	12.2	11.9
Under 1 year.....	152.7	136.7	100.5	76.1	69.4	62.2	108.8	94.2	80.0	77.2	71.3	64.8
1 to 4 years.....	16.5	12.4	8.1	5.2	5.0	4.2	10.2	7.3	6.7	5.8	5.4	4.5
Under 5 years.....	45.3	37.8	25.8	18.6	17.1	15.1	29.3	23.9	20.7	19.4	17.9	16.0
5 to 9 years.....	4.2	3.3	2.9	2.1	2.1	1.8	3.1	2.4	2.3	2.1	2.0	1.7
10 to 14 years.....	2.8	2.2	2.1	1.6	1.6	1.5	2.4	2.0	1.8	1.7	1.7	1.6
15 to 19 years.....	4.4	3.7	3.1	2.5	2.5	2.3	4.2	3.2	3.1	2.9	2.8	2.5
20 to 24 years.....	6.2	5.3	3.8	3.4	3.3	2.9	5.4	4.3	4.3	4.0	3.8	3.5
25 to 34 years.....	7.8	6.5	4.6	4.2	4.0	3.7	6.5	5.1	5.1	4.8	4.6	4.3
35 to 44 years.....	10.6	10.1	7.3	7.1	7.1	6.5	8.3	7.6	7.9	7.4	7.4	6.9
45 to 54 years.....	15.6	15.9	13.0	13.9	14.0	13.7	12.5	13.0	14.1	13.5	13.8	13.3
55 to 64 years.....	29.1	30.1	26.9	28.4	28.4	28.7	24.6	25.9	27.8	27.1	27.1	27.3
65 to 74 years.....	58.2	61.7	57.7	58.3	58.4	59.9	53.3	56.2	58.9	56.6	56.1	56.6
75 years and over.....	142.9	144.6	138.7	139.3	139.4	146.3	135.5	137.6	144.2	135.7	136.5	143.6
Females, all ages	14.9	13.6	11.8	10.7	10.6	10.6	12.6	11.2	11.1	10.5	10.3	10.2
Under 1 year.....	123.3	109.0	77.5	59.7	53.5	48.6	84.7	73.3	62.9	60.9	55.8	50.9
1 to 4 years.....	15.2	11.3	7.2	4.5	4.2	3.6	9.4	6.5	6.0	5.0	4.7	4.0
Under 5 years.....	38.0	31.2	20.7	14.8	13.4	12.0	24.0	19.3	16.8	15.6	14.4	12.9
5 to 9 years.....	4.0	2.9	2.3	1.7	1.6	1.5	2.8	2.0	1.9	1.7	1.6	1.5
10 to 14 years.....	2.7	2.0	1.7	1.2	1.2	1.2	2.1	1.7	1.4	1.3	1.3	1.2
15 to 19 years.....	4.4	3.2	2.8	2.2	2.0	1.8	3.9	3.2	2.8	2.5	2.4	2.1
20 to 24 years.....	5.9	4.5	3.7	3.2	3.1	2.7	5.9	4.3	4.0	3.7	3.5	3.2
25 to 34 years.....	7.3	5.6	4.5	3.8	3.6	3.5	7.2	4.9	4.7	4.3	4.2	4.0
35 to 44 years.....	9.0	7.9	6.2	5.4	5.5	5.3	8.0	6.6	6.5	6.0	5.9	5.7
45 to 54 years.....	13.1	12.6	11.1	10.5	10.6	10.4	11.6	10.9	11.0	10.6	10.5	10.3
55 to 64 years.....	25.1	24.9	23.1	22.4	22.4	22.7	22.4	21.7	22.2	21.4	21.3	21.4
65 to 74 years.....	52.1	54.5	51.7	49.9	49.4	52.0	49.3	48.4	49.9	47.3	46.9	48.3
75 years and over.....	133.3	136.4	134.2	130.7	129.3	137.8	131.2	130.3	135.6	125.9	125.2	133.2

No. 70.—DEATHS: RATES PER 1,000 ESTIMATED POPULATION IN THE DEATH REGISTRATION AREA, DISTINGUISHING CITIES AND RURAL AREA

NOTE.—See general note, p. 77

Year	Registration area			All registration cities			Rural part of registration area		
	Total	White	Colored	Total	White	Colored	Total	White	Colored
1920.....	13.0	12.6	17.9	14.2	13.6	22.7	11.9	11.5	15.2
1921.....	11.6	11.2	15.7	12.4	11.9	19.4	10.8	10.4	13.5
1922.....	11.7	11.4	15.4	12.7	12.2	19.8	10.8	10.5	13.0
1923.....	12.2	11.7	16.6	13.2	12.6	21.4	11.2	10.9	13.9
1924.....	11.7	11.2	17.2	12.8	12.1	21.8	10.7	10.2	14.6
1925.....	11.8	11.3	17.6	13.0	12.3	21.9	10.8	10.3	14.9
1926.....	12.3	11.7	18.0	13.4	12.7	22.1	11.2	10.7	15.4
1927.....	11.4	10.9	16.6	12.5	11.9	20.6	10.4	10.0	14.1
1928.....	12.1	11.5	17.1	13.3	12.7	21.1	11.0	10.5	14.9
1929.....	11.9	11.4	16.9	13.1	12.4	20.5	10.9	10.4	14.9
1930.....	11.1	10.8	16.4	12.3	11.7	19.5	10.4	9.9	14.4
1931.....	11.1	10.6	15.5	11.9	11.4	18.5	10.2	9.8	13.5
1932.....	10.9	10.5	14.5	11.7	11.2	17.4	10.2	9.8	12.6

Source of Tables 69 and 70: Bureau of the Census, Department of Commerce.

No. 71.—DEATHS: NUMBER AND RATE PER 1,000 POPULATION, BY STATES

NOTE—See general note, p. 77

Area	Number of deaths		Death rate per 1,000 estimated population									
	1931	1932	1920	1925	1927	1928	1929	1930	1931	1932		
Total ¹	1,307,273	1,293,269	13 0	11 8	11.4	12 0	11.9	11.3	11.1	10.9		
Alabama.....	28,431	27,680	(?)	11.6	10.5	12.3	12.4	11.5	10.7	10.3		
White.....	16,116	14,871	(?)	9.5	8.7	10 0	10.2	9.4	8.8	8.6		
Colored.....	13,315	12,809	(?)	16.3	13.7	16 2	16 2	15.2	14.0	13.5		
Arizona.....	6,074	5,420	(?)	(?)	14.4	15.4	15.9	15.2	13.7	12.1		
Arkansas.....	17,847	16,315	(?)	(?)	10 0	10 9	10.5	10 2	9.6	8.7		
White.....	12,161	11,253	(?)	(?)	8 8	9.7	9.4	9.1	8.8	8.1		
Colored.....	5,686	5,062	(?)	(?)	15.4	14.3	15.8	15.5	11.9	10.5		
California.....	67,410	67,680	13.3	12.3	12 1	12.5	11.9	11.6	11.5	11.4		
Colorado.....	12,470	12,599	11.5	11.7	13 0	13.8	12.5	12.7	12 0	12 0		
Connecticut.....	17,246	16,962	13.6	11.8	10.8	11.4	11.5	10.7	10 6	10 4		
Delaware.....	3,301	3,178	14.6	13.5	12.8	13.6	13.2	13.6	13.8	13.2		
Florida.....	18,102	18,288	12.8	13.6	13.6	13.7	12.7	12.3	12.0	12 0		
White.....	11,057	11,287	11.5	11 9	11 7	11.8	10.8	10 6	10 4	10 4		
Colored.....	7,045	7,001	16.3	17.4	17.9	18.2	17.1	16.5	16 0	15 7		
Georgia.....	32,992	32,128	(?)	(?)	(?)	12.4	12.2	12.1	11.3	11.0		
White.....	16,989	16,818	(?)	(?)	(?)	10.8	10 0	9.8	9.2	9.1		
Colored.....	16,003	15,310	(?)	(?)	(?)	15.9	15.8	16.1	15.1	14.5		
Idaho.....	4,000	3,942	(?)	7.8	8 6	9 4	9 2	9.4	9 0	8 8		
Illinois.....	85,788	83,180	12 6	11.5	11.3	12.1	11.6	10.9	11.1	10.7		
Indiana.....	38,699	38,766	13 4	12.5	11.9	12.7	12.7	12.1	11.9	11.8		
Iowa.....	25,681	25,786	(?)	10.0	10 0	10 3	10.4	10.6	10 4	10 4		
Kansas.....	18,618	19,512	11.4	10 2	10 1	11 2	10.4	10 4	9 9	10 3		
Kentucky.....	28,905	29,059	11.8	11.3	10 6	11.8	12 0	11 0	11 0	10 3		
White.....	24,356	24,829	11.0	10.4	9 8	10.9	11.1	10.4	10.1	10 3		
Colored.....	4,549	4,230	20.2	19.3	20.8	21.3	21.0	20.1	18.8	18.3		
Louisiana.....	23,535	23,311	11.9	12.8	11.8	12.2	11.9	11.7	11.1	10.9		
White.....	12,279	12,512	9.8	10.0	9 4	10 0	9.7	9.5	9.2	9 3		
Colored.....	11,256	10,799	15.2	17.3	15.8	15.9	15.7	15.5	14.3	13.7		
Maine.....	10,490	10,719	15.4	13.8	13.9	13.9	14.3	13.9	13.1	13 4		
Maryland.....	21,763	21,038	14.6	14.0	13 3	13 6	13.5	13.2	13.2	12.7		
White.....	16,368	15,955	13.3	12 6	12 0	12 4	12.4	12.0	12.0	11.6		
Colored.....	5,397	5,083	21.1	20.9	19.6	19.5	18.9	18.9	19.8	18.1		
Massachusetts.....	48,577	49,446	13 8	12.7	11.9	12.2	12.3	11.6	11.3	11 5		
Michigan.....	49,104	49,585	13.8	11.5	11.2	11.8	11.8	10.6	10 0	10.0		
Minnesota.....	25,450	25,591	10.7	10 2	9 8	10 3	10.1	10.0	9 9	9 9		
Mississippi.....	22,009	20,311	12.2	11.6	11.9	13 1	13.0	12.0	10.9	10 0		
White.....	8,694	8,371	8.2	8.3	8 2	10 5	10.3	9.1	8.8	8 2		
Colored.....	13,315	12,000	15 0	14.8	14.5	15.6	15.5	14.7	13.1	11.8		
Missouri.....	44,120	43,738	12.5	11.7	11.4	12.6	12.3	11.9	12.1	12 0		
Montana.....	5,280	5,294	9.6	9 6	9 9	10 7	10.7	10.1	9 8	9 8		
Nebraska.....	12,908	12,922	10.0	9.3	9.1	10.0	9.8	9.6	9.3	9.3		
Nevada.....	1,346	1,342	(?)	(?)	(?)	(?)	13.3	12.7	14.6	14.4		
New Hampshire.....	5,923	6,329	15.2	14.4	13.8	14 0	14.1	13.6	12.7	13.5		
New Jersey.....	44,475	42,914	12.9	11.6	11.1	11.6	11.6	10.7	10.8	10.3		
New Mexico.....	6,156	5,968	(?)	(?)	(?)	(?)	15.4	15.5	14 4	13.8		
New York.....	149,107	147,824	13.8	12.3	11.7	12.4	12.4	11.7	11.7	11.3		
North Carolina.....	33,116	31,051	12.6	11.3	10.9	11.8	11.8	11.2	10.3	9 6		
White.....	20,164	19,513	11.2	9.7	9.4	10 4	10.2	9.6	8.9	8.5		
Colored.....	12,952	11,538	15.9	14.9	14.6	15.1	15.5	15.1	13.7	12.1		
North Dakota.....	5,128	5,153	(?)	7.6	7 8	8 2	8.0	7.9	7.5	7.5		
Ohio.....	75,557	76,286	12.8	11.8	11.5	12.3	12.4	11.4	11.3	11.3		
Oklahoma.....	18,802	19,235	(?)	(?)	(?)	9 0	9.0	8.2	7.8	7.9		
White.....	15,393	16,716	(?)	(?)	(?)	8 7	8.7	7.8	7.4	7.7		
Colored.....	3,409	2,519	(?)	(?)	(?)	11.4	12.0	11.2	10.8	9.4		
Oregon.....	10,242	10,277	11.7	11.0	11 2	11 3	11 3	11.0	10 6	10 6		
Pennsylvania.....	111,936	109,204	13.8	12.6	11.9	12.6	12.3	11.6	11.5	11.2		
Rhode Island.....	7,973	8,080	14.3	12.7	11.9	12.5	13.1	11.6	11.5	11.6		
South Carolina.....	21,087	19,894	14.1	12.8	12.6	14.1	13.3	12.9	12.1	11 4		
White.....	8,718	8,599	11.4	9 8	9.8	11.3	10.1	9.8	9.1	9.0		
Colored.....	12,369	11,295	16.6	16.1	15.7	17.4	17.0	16.6	15.7	14.4		
South Dakota.....	5,868	5,725	(?)	(?)	(?)	(?)	(?)	8.5	8.4	8.2		
Tennessee.....	28,618	28,622	12.1	11.2	11.4	12.2	12.2	11.4	10.8	10.8		
White.....	20,801	20,323	10.7	9.6	9 9	10.7	10.7	9.9	9.5	9 6		
Colored.....	8,017	7,805	18.0	18.1	18.0	19.1	18.7	18.3	16.7	16.2		
Utah.....	4,478	4,420	11.5	9.3	9 6	10.3	10.1	9.9	8.7	8.6		
Vermont.....	4,493	4,753	15.7	14.4	13.6	13.6	14.7	13.0	12.5	13 2		
Virginia.....	30,029	28,898	13.2	12.4	12 0	12.6	13.0	12.5	12.4	11.9		
White.....	18,470	18,272	11.3	10 3	10 1	10.6	11.0	10.5	10.4	10 2		
Colored.....	11,559	10,626	17.6	17 6	17 0	17.9	18.2	18 0	17 8	16 4		
Washington.....	16,524	16,581	11.1	10 4	10.6	10.9	10.6	10 6	10 5	10 4		
West Virginia.....	17,620	17,912	(?)	10.7	10 2	10.4	10.6	10 5	10 1	10 2		
Wisconsin.....	30,217	30,321	11.2	10 5	10.4	11.0	10.7	10 4	10 2	10 2		
Wyoming.....	2,035	2,057	(?)	9 0	9 1	9.8	9.0	9 2	8 9	9 0		
Hawaii ²	3,731	3,670	17 6	13 0	12 0	11.8	12.2	10 4	9.8	9 3		
Puerto Rico ³	(?)	35,601	(?)	(?)	(?)	(?)	(?)	(?)	(?)	22 6		

¹ Includes District of Columbia (for rates see Washington, table 73); number of deaths, 1932, 7,937.² Not in registration area.³ Not included in total.

Source. Bureau of the Census, Department of Commerce.

No. 72.—DEATHS: NUMBER AND RATE PER 100,000 POPULATION, IN THE DEATH REGISTRATION AREA, BY IMPORTANT CAUSES¹

Detailed Int. List No	Cause of death	Number of deaths, 1932 ¹	Registration area—rate						Registration States of 1900 (incl. D. C.)—rate							
			1900	1910	1920	1925	1929	1930	1931	1932	1900	1910	1920	1930	1931	1932
All causes.....																
1, 2	Typhoid and paratyphoid fever.....	1,396,529	1,755.0	1,496.2	1,303.8	1,184.1	1,191.9	1,133.1	1,107.5	1,089.0	1,719.5	1,562.4	1,376.0	1,152.3	1,136.5	1,127.1
3	Measles.....	4,441	35.9	23.5	7.8	8.0	4.2	4.8	4.5	3.7	31.3	18.0	4.9	1.6	1.4	1.1
7	Scarlet fever.....	1,941	12.5	12.3	8.8	2.3	2.5	3.2	3.0	1.6	13.4	12.6	10.3	2.6	2.2	2.0
8	Whooping cough.....	2,577	10.2	11.6	4.6	2.7	2.1	1.9	2.2	2.1	9.6	12.2	5.2	1.8	2.2	2.6
9	Diphtheria.....	6,364	12.1	11.4	12.5	6.7	6.3	4.8	3.9	4.5	12.3	10.7	11.9	3.4	3.4	3.2
10	Influenza.....	5,418	43.3	21.4	15.3	7.8	6.6	4.9	4.8	4.5	40.4	22.5	17.3	4.3	2.9	2.5
11, 107-109	Influenza and pneumonia (all forms).....	120,540	203.4	162.1	208.0	123.4	147.2	102.7	107.7	107.8	202.2	174.4	209.2	97.9	101.1	99.3
11	Influenza.....	37,066	22.9	14.4	70.9	23.7	55.5	19.5	26.5	30.8	26.7	15.5	54.0	11.1	16.1	17.6
107	Bronchopneumonia ³	38,174	21.9	47.1	54.5	38.7	37.6	34.3	33.6	32.6	22.8	52.6	61.8	36.7	36.2	35.8
108	Lobar pneumonia.....	40,524	158.6	46.4	73.0	49.9	49.5	45.4	44.5	41.2	152.7	53.9	7.0	1.5	1.2	1.2
109	Pneumonia unspecified.....	3,776	54.3	54.3	9.5	5.1	4.0	3.5	3.2	3.1	54.0	49.9	3.6	2.7	2.3	1.9
15	Erysipelas.....	1,934	5.1	4.5	3.1	2.4	2.5	2.1	1.9	1.6	5.4	4.9	3.6	2.7	2.3	1.9
16	Epidemic cerebrospinal meningitis.....	1,677	(1)	4.4	1.6	1.1	4.5	3.6	2.4	1.4	(1)	3.3	1.8	3.6	2.2	1.4
23	Tuberculosis of the respiratory system.....	67,789	180.5	136.0	97.0	75.9	67.6	63.4	60.7	56.4	173.3	138.1	93.1	59.1	55.9	52.0
24-32	Other forms of tuberculosis.....	7,720	21.4	24.3	17.0	10.8	8.4	8.1	7.5	6.4	21.9	26.6	18.6	8.6	7.4	6.8
38	Malaria.....	2,568	7.9	2.2	3.6	2.1	3.5	2.9	2.1	2.1	6.3	1.3	2.2	1.1	1.1	1.1
45-53	Cancer and other malignant tumors.....	122,738	63.0	76.2	83.2	92.8	95.9	97.2	98.9	102.1	64.0	83.0	98.7	117.6	119.7	123.1
59	Diabetes mellitus.....	25,368	9.7	14.9	16.0	16.9	13.8	13.0	20.4	21.9	11.0	17.6	20.4	24.0	25.6	27.8
82a, 0	Cerebral hemorrhage and softening.....	93,332	71.5	75.7	81.7	81.0	82.1	81.0	79.1	79.4	76.5	88.0	96.4	82.7	81.6	81.6
90-93, 94a, 95	Diseases of the heart ⁵	251,243	132.1	135.8	159.1	135.7	210.8	205.5	201.9	209.1	137.4	180.9	197.6	253.2	265.2	279.5
106	Bronchitis.....	4,338	45.7	23.4	13.2	6.5	4.7	4.2	3.8	3.6	45.2	36.6	17.1	4.9	4.1	4.0
119, 120	Diarrhea and enteritis ⁶	19,619	133.2	117.4	64.3	39.4	23.5	26.3	20.7	16.4	139.9	119.4	55.6	17.4	13.0	10.2
121	Appendicitis.....	1,111	9.7	11.4	13.4	15.2	15.2	15.3	15.2	14.2	8.8	11.1	13.2	15.8	15.6	14.6
122	Hernia, intestinal obstruction ⁷	12,269	12.2	12.4	10.6	10.8	10.6	10.3	10.5	10.2	11.9	12.6	11.1	10.3	10.2	10.1
124	Cirrhosis of the liver.....	8,631	12.9	13.9	7.1	7.3	7.2	7.2	7.4	7.2	12.6	14.4	7.7	7.8	8.3	8.0
130-132	Nephritis.....	104,751	89.0	99.1	89.2	95.5	91.2	90.8	87.2	87.2	88.7	107.3	97.4	91.0	88.3	89.5
140, 142a, 145	Puerperal septicaemia.....	4,939	5.7	7.2	6.6	5.5	5.0	4.6	4.6	4.1	5.8	6.7	6.0	3.9	3.9	3.6
141, 142b, 143, 144, 146-150, 157-161	Other puerperal causes.....	8,354	7.6	8.5	12.5	9.3	8.2	8.2	7.3	7.0	7.6	8.4	11.5	6.7	6.2	5.9
Congenital malformations and diseases of early infancy.....																
163-171	Suicide.....	63,934	91.8	88.1	84.7	74.0	62.4	60.9	56.5	53.2	88.2	94.6	90.8	60.6	55.5	51.5
172-175	Homicide.....	20,927	11.5	16.0	10.2	12.1	14.0	15.6	16.8	17.4	10.2	13.4	10.9	16.9	18.3	19.3
206	Automobile and railroad-train collision.....	11,035	2.1	5.9	7.1	8.6	8.5	9.0	9.3	9.2	1.2	3.9	4.2	5.1	5.3	6.2
208	Automobile and street-car collision.....	1,466	(1)	(1)	(1)	1.2	1.7	1.5	1.4	1.2	(1)	(1)	(1)	1.3	1.3	1.3
209	Automobile accidents ⁸	304	(1)	(1)	(1)	.5	.4	.4	.4	.3	(1)	(1)	(1)	.4	.3	.2
210	Automobile accidents.....	26,350	1.8	1.8	10.4	17.1	23.3	24.5	25.2	21.9	2.0	12.1	25.0	25.5	25.5	22.5
	Other external causes.....	57,748	79.0	82.6	60.9	59.7	55.5	54.2	51.6	48.1	72.3	75.8	58.5	51.3	49.3	45.5

¹ See general note, p. 77² Entire registration area³ Includes capillary bronchitis.⁴ Not separately tabulated⁵ Excludes diseases of coronary arteries.⁶ Includes ulcer of the duodenum from 1900 to 1920.⁷ Includes adhesions of intestines from 1900 to 1920.⁸ Excludes collisions with railroad trains and street cars.

Source: Bureau of the Census, Department of Commerce

VITAL STATISTICS

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No. 73.—DEATHS: RATE PER 1,000 ESTIMATED POPULATION, BY REGISTRATION CITIES HAVING 100,000 OR MORE INHABITANTS IN 1930

NOTE.—See general note, p 77

City	Rate per 1,000 population					City	Rate per 1,000 population				
	1920	1925	1930	1931	1932		1920	1925	1930	1931	1932
Akron.....	11.7	8.6	7.8	7.7	7.5	Miami.....	15.0	(2)	11.1	11.4	11.6
Albany.....	15.7	15.3	14.8	14.1	13.7	White.....	12.5	(2)	9.9	10.5	10.4
Atlanta.....	17.1	16.1	15.5	14.9	14.0	Colored.....	20.7	(2)	15.2	14.7	15.6
White.....	14.6	12.0	11.6	11.8	11.1	Milwaukee.....	11.7	10.6	9.6	9.0	8.8
Colored.....	23.8	21.6	23.2	21.6	19.7	Minneapolis.....	12.3	11.7	10.8	10.9	10.9
Baltimore.....	15.4	15.1	13.9	14.2	13.2	Nashville.....	18.1	17.0	16.3	16.7	15.5
White.....	14.0	13.5	12.7	12.9	12.1	White.....	15.5	14.1	13.7	14.6	13.9
Colored.....	23.8	23.1	19.6	19.9	18.5	Colored.....	24.0	24.1	23.1	22.4	19.8
Birmingham.....	16.3	15.8	13.6	13.0	11.9	Newark, N. J.....	12.9	12.4	11.9	11.4	10.5
White.....	12.3	11.7	10.0	10.2	9.3	New Bedford.....	14.4	12.0	11.0	12.0	11.0
Colored.....	22.6	22.4	19.8	17.7	16.2	New Haven.....	14.6	13.4	13.0	13.1	12.5
Boston.....	15.5	15.1	14.1	14.0	13.9	New Orleans.....	17.6	18.7	17.4	16.4	16.6
Bridgeport.....	13.0	10.6	10.9	11.1	10.4	White.....	14.5	14.7	14.4	13.5	14.0
Buffalo.....	14.7	13.7	12.9	12.7	12.5	Colored.....	26.2	29.0	25.1	23.6	22.0
Cambridge.....	14.9	12.8	11.8	11.9	12.1	New York.....	12.9	11.4	10.8	10.9	10.5
Camden.....	14.9	15.1	13.4	14.1	14.4	Brooklyn Boro.....	10.4	8.1	7.9	8.1	8.0
Canton.....	12.6	11.6	9.7	9.9	9.4	Brooklyn Boro.....	12.5	10.8	9.8	10.1	9.7
Chatanooga.....	19.4	21.7	15.7	13.6	12.7	Manhattan Boro.....	14.4	14.5	16.0	16.4	15.5
White.....	15.5	15.1	12.2	11.1	10.2	Queens Boro.....	11.0	8.8	7.1	7.1	6.9
Colored.....	22.7	28.2	24.8	20.1	19.2	Richmond Boro.....	15.0	13.4	13.8	13.4	14.1
Chicago.....	12.7	11.2	10.4	10.4	9.9	Norfolk.....	15.5	12.9	13.6	13.2	12.9
Cincinnati.....	15.0	15.2	15.5	15.7	14.8	White.....	12.1	9.8	10.1	10.1	10.2
Cleveland.....	12.5	11.4	11.0	11.0	10.7	Colored.....	21.1	19.6	20.4	19.1	18.0
Columbus.....	14.8	14.4	15.3	13.4	13.9	Oakland.....	11.8	10.2	11.1	10.8	10.7
Dallas.....	13.3	12.5	11.5	11.1	11.1	Oklahoma City.....	11.9	8.4	11.2	10.5	10.6
White.....	12.0	11.8	10.2	9.5	9.9	Omaha.....	14.4	13.8	13.1	13.2	12.6
Colored.....	20.4	19.6	18.8	20.3	18.3	Paterson.....	12.8	12.5	12.0	13.2	12.4
Dayton.....	12.2	11.0	11.0	11.8	11.8	Peoria.....	15.1	12.3	12.3	12.3	11.1
Denver.....	17.4	15.1	15.0	14.1	14.8	Philadelphia.....	14.5	13.8	12.5	12.8	12.1
Des Moines.....	(1)	11.2	12.0	11.4	12.4	Pittsburgh.....	16.4	15.0	13.9	14.1	12.8
Detroit.....	13.5	11.0	9.3	8.1	7.9	Portland, Ore.....	12.2	11.9	12.1	11.6	11.2
Duluth.....	10.2	11.1	11.7	11.2	11.3	Providence.....	15.5	13.5	12.9	12.7	13.0
Elizabeth.....	12.7	11.3	11.5	10.6	10.4	Reading.....	14.4	13.4	11.1	11.4	11.9
Fall River.....	28.1	19.2	17.7	14.8	14.0	Richmond.....	16.5	15.4	14.9	15.5	14.2
Erie.....	13.7	11.8	11.2	10.8	10.7	White.....	13.4	12.7	13.8	13.1	11.8
Evansville.....	13.0	12.3	12.6	11.3	10.7	Colored.....	23.5	21.8	21.4	21.4	20.2
Fall River.....	14.7	13.8	11.5	11.0	11.4	Rochester.....	12.7	12.2	11.5	11.7	11.7
Flint.....	11.8	8.9	8.9	6.9	7.5	St. Louis.....	14.1	14.2	13.9	14.6	13.3
Fort Wayne.....	13.2	11.4	11.0	10.9	10.1	St. Paul.....	12.5	12.3	10.6	10.8	10.8
Fort Worth.....	(1)	10.4	11.0	10.5	10.5	Salt Lake City.....	14.3	11.8	12.9	11.6	11.1
White.....	(1)	9.9	10.1	9.8	9.8	San Antonio.....	16.2	15.2	16.0	14.6	14.4
Colored.....	(1)	15.8	16.5	14.9	15.2	White.....	16.1	15.0	16.7	14.4	14.3
Gary.....	13.8	13.0	9.6	9.6	8.0	Colored.....	16.8	17.2	19.7	16.8	16.1
Grand Rapids.....	13.2	11.5	10.0	9.0	9.0	San Diego.....	17.0	15.0	14.5	13.7	14.4
Hartford.....	16.5	13.5	13.0	13.2	12.2	San Francisco.....	14.2	12.9	13.0	12.9	12.7
Houston.....	13.5	12.8	12.2	10.9	11.2	Scranton.....	14.9	13.9	12.8	12.8	12.9
White.....	12.0	10.8	10.3	9.3	9.8	Seattle.....	10.7	9.8	10.9	11.3	11.2
Colored.....	18.2	19.4	19.1	16.5	16.4	Somerville.....	12.0	11.2	9.7	8.9	8.8
Indianapolis.....	14.6	14.5	14.2	13.6	12.9	South Bend.....	12.7	11.0	9.1	8.1	7.7
White.....	13.8	13.3	13.6	13.1	12.4	Spokane.....	14.1	12.4	12.5	12.2	11.5
Colored.....	21.1	20.7	19.6	17.3	16.6	Springfield, Mass.....	13.1	12.7	11.8	11.0	11.1
Jacksonville, Fla.....	16.9	16.7	15.2	14.7	14.4	Syracuse.....	15.2	12.2	11.7	11.4	11.8
White.....	14.1	12.7	11.8	11.5	10.5	Tacoma.....	12.9	12.3	12.8	12.7	12.8
Colored.....	20.3	22.5	21.0	20.4	21.5	Tampa.....	13.4	14.6	11.6	11.2	11.3
Jersey City.....	14.1	11.9	11.3	11.2	11.1	White.....	11.2	12.1	10.4	10.1	10.6
Kansas City, Kans.....	14.5	14.1	13.7	12.8	12.9	Colored.....	20.8	24.2	15.9	15.5	13.8
White.....	13.5	12.4	13.1	12.0	12.4	Toledo.....	13.9	13.0	12.6	11.8	11.6
Colored.....	20.6	23.5	16.9	16.7	15.7	Trenton.....	15.8	15.4	15.3	14.7	14.2
Kansas City, Mo.....	16.1	13.9	13.2	12.8	12.6	Tulsa.....	(1)	(1)	9.9	8.0	8.3
Knoville.....	17.0	14.2	14.1	12.7	12.3	White.....	(1)	(1)	9.2	7.5	8.0
White.....	16.2	12.6	13.2	11.9	11.4	Colored.....	(1)	(1)	15.4	11.3	10.5
Colored.....	21.7	22.7	18.5	16.9	16.7	Utica.....	14.7	15.2	14.8	15.0	14.9
Long Beach.....	12.8	11.7	10.4	9.8	10.1	Washington, D. C.....	14.7	15.1	15.1	15.8	16.1
Los Angeles.....	13.6	12.5	11.2	10.8	11.1	White.....	12.7	12.6	12.9	13.4	14.0
Louisville.....	15.0	14.3	14.3	14.0	13.7	Colored.....	20.6	22.2	21.0	22.0	21.6
White.....	13.6	12.9	12.6	12.6	12.5	Wichita.....	15.0	11.8	11.9	9.7	9.9
Colored.....	21.9	22.1	23.2	21.8	20.3	Wilmington, Del.....	14.2	13.3	14.6	13.9	14.0
Lowell.....	15.8	14.3	13.2	12.9	12.9	Worcester.....	14.8	13.5	12.8	12.0	12.1
Lynn.....	12.8	11.6	10.3	9.3	10.1	Yonkers.....	11.3	9.6	8.4	8.6	8.6
Memphis.....	19.8	18.5	17.3	16.6	16.8	Youngstown.....	13.0	11.8	10.5	9.7	9.6
White.....	15.6	13.8	13.5	13.6	13.6						
Colored.....	26.8	26.2	23.5	21.4	22.0						

¹ Not in registration area.

² Rate unsatisfactory.

Source Bureau of the Census, Department of Commerce.

No. 74.—BIRTHS, DEATHS, AND DEATHS UNDER 1 YEAR OF AGE IN THE BIRTH REGISTRATION AREA. BY SEX

NOTE—See general note, p. 77

Year	Entire area								
	Population of registration area ¹	Per cent of U S total population	Per cent of U S total area	Births			Deaths		
				Total	Males	Females	Total	Males	Females
1915.....	30,936,179	31.1	9.8	776,304	398,615	377,689	436,593	234,871	201,722
1917.....	54,771,416	53.6	26.7	1,353,792	696,101	657,691	776,222	423,359	352,863
1918.....	55,515,241	53.6	26.7	1,363,649	701,164	662,485	996,627	534,720	461,907
1919.....	61,483,423	58.6	36.2	1,373,438	705,593	667,845	798,104	422,252	375,852
1920.....	63,740,689	59.8	38.7	1,508,874	775,322	733,552	836,134	438,201	397,933
1921.....	70,738,177	65.4	40.7	1,714,261	881,591	832,670	825,511	434,019	391,492
1922.....	79,415,841	72.3	50.7	1,774,911	911,831	863,080	938,545	497,967	440,578
1923.....	80,694,406	72.3	50.7	1,792,646	921,020	871,626	992,237	528,429	463,808
1924.....	86,256,025	76.2	56.8	1,930,614	992,431	938,183	1,006,994	542,637	464,357
1925.....	87,486,096	76.2	56.6	1,878,880	966,973	911,907	1,030,518	555,267	475,251
1926.....	89,682,479	77.0	63.2	1,856,068	953,638	902,430	1,093,511	589,653	503,858
1927.....	103,575,656	87.6	72.0	2,137,836	1,099,287	1,038,549	1,176,805	638,080	538,725
1928.....	113,050,663	94.3	80.8	2,233,149	1,147,625	1,085,524	1,361,987	738,891	623,096
1929.....	115,097,972	94.7	88.6	2,160,920	1,114,814	1,055,106	1,369,757	745,491	624,266
1930.....	116,644,000	94.7	88.6	2,203,958	1,131,976	1,071,982	1,321,367	723,315	598,052
1931.....	117,460,000	94.7	88.6	2,112,760	1,084,404	1,028,356	1,301,405	714,277	587,128
1932.....	118,858,000	95.2	91.2	2,074,042	1,063,885	1,010,157	1,293,269	704,506	588,763

Year	Entire area—Continued						Area as of 1917 ²	
	Excess of births over deaths	Rates per 1,000 of total population			Number of males per 1,000 females		Rates per 1,000 of total population	
		Births	Deaths	Excess of births	Among births	Among deaths	Births	Deaths
1915.....	339,711	25.1	14.1	11.0	1,055	1,164	-----	-----
1917.....	577,570	24.7	14.2	10.5	1,058	1,200	24.7	14.2
1918.....	367,022	24.6	18.3	6.3	1,058	1,158	24.5	17.9
1919.....	575,334	22.3	13.0	9.3	1,057	1,123	22.6	12.9
1920.....	672,740	23.7	13.1	10.6	1,057	1,101	23.9	13.2
1921.....	888,750	24.2	11.7	12.5	1,059	1,109	24.5	11.7
1922.....	836,366	22.3	11.8	10.5	1,056	1,130	22.8	11.9
1923.....	800,409	22.2	12.3	9.9	1,057	1,139	22.8	12.5
1924.....	923,620	22.4	11.7	10.7	1,058	1,169	22.9	11.8
1925.....	848,362	21.5	11.8	9.7	1,060	1,168	21.9	12.0
1926.....	762,557	20.7	12.2	8.5	1,057	1,170	21.0	12.4
1927.....	961,031	20.6	11.4	9.2	1,058	1,184	20.8	11.5
1928.....	871,162	19.8	12.0	7.8	1,057	1,186	20.0	12.2
1929.....	800,163	18.9	11.9	7.0	1,057	1,194	19.0	12.1
1930.....	882,591	18.9	11.3	7.6	1,056	1,209	18.9	11.5
1931.....	811,355	18.0	11.1	6.9	1,055	1,217	17.8	11.2
1932.....	780,773	17.4	10.9	6.5	1,053	1,197	17.3	11.1

Year	Deaths under 1 year of age in entire birth registration area						
	Number			Deaths per 1,000 births			Number of male deaths per 1,000 female deaths
	Total	Males	Females	Among total	Among males	Among females	
1915.....	77,572	43,818	33,754	100	110	89	1,298
1920.....	129,531	73,737	55,794	86	95	76	1,322
1924.....	136,730	78,085	58,645	71	79	63	1,331
1925.....	134,652	76,902	57,750	72	80	63	1,332
1926.....	136,118	77,265	58,853	73	81	65	1,317
1927.....	138,017	78,652	59,365	65	72	57	1,325
1928.....	153,492	87,676	65,816	69	76	61	1,332
1929.....	146,661	83,144	63,517	68	75	60	1,309
1930.....	142,413	80,744	61,669	65	71	58	1,309
1931.....	130,134	74,056	56,078	62	68	55	1,321
1932.....	119,431	67,839	51,592	58	64	51	1,315

¹ Midyear estimates.² Exclusive of Rhode Island.

Source. Bureau of the Census, Department of Commerce.

No. 75.—BIRTHS AND EXCESS OF BIRTHS OVER DEATHS: BY STATES

NOTE—See general note, p. 77. For number of deaths in each State see Table 71; for number in entire birth registration area see Table 74

Area	Number of births					Excess of births over deaths ¹			
	1920	1925	1930	1931	1932	1925	1930	1931	1932
Total birth registration area.....	1,508,874	1,878,880	2,203,958	2,112,780	2,074,042	848,362	882,591	811,355	780,773
White.....	1,395,523	1,731,689	1,953,163	1,867,245	1,822,423	803,481	821,005	747,259	699,955
Colored.....	113,351	147,211	250,795	245,535	251,617	44,881	60,986	64,096	80,818
Cities in birth registration area.....	763,209	964,302	1,080,674	1,012,355	966,714	408,352	385,971	322,973	293,372
Rural part of birth registration area.....	745,665	914,578	1,123,284	1,100,375	1,107,328	440,010	496,620	488,382	487,401
Alabama.....	(2)	(2)	63,757	62,743	62,939	(2)	33,335	34,312	35,259
White.....	(2)	(2)	40,782	39,829	39,381	(2)	24,772	24,713	24,510
Colored.....	(2)	(2)	22,975	22,914	23,558	(2)	8,563	9,599	10,749
Arizona.....	(2)	(2)	10,376	9,369	8,523	(2)	3,697	3,295	3,101
Arkansas.....	(2)	(2)	41,093	41,042	37,450	(2)	22,143	23,195	21,135
White.....	(2)	(2)	32,009	31,681	28,691	(2)	19,524	19,420	17,438
Colored.....	(2)	(2)	9,084	9,361	8,759	(2)	2,619	3,775	3,697
California.....	67,199	85,204	84,206	81,426	78,093	28,404	17,957	14,016	10,413
Colorado.....	(2)	(2)	18,814	18,513	17,013	(2)	5,007	6,043	5,014
Connecticut.....	34,096	29,736	27,093	25,555	23,731	12,056	10,406	8,309	6,769
Delaware.....	(2)	(2)	4,474	4,237	4,294	(2)	1,218	936	1,116
District of Columbia.....	8,823	9,107	9,376	9,353	10,137	2,092	1,980	1,610	2,220
White.....	6,919	6,245	6,324	6,368	6,829	1,926	1,739	1,594	1,809
Colored.....	2,904	2,862	3,052	2,985	3,307	1,166	1,240	1,016	1,411
Florida.....	(2)	29,403	26,993	27,033	27,402	12,541	8,764	8,931	9,114
White.....	(2)	20,160	18,602	18,665	18,875	10,000	7,555	7,606	7,558
Colored.....	(2)	9,243	8,391	8,370	8,527	2,541	1,209	1,325	1,556
Georgia.....	(2)	(2)	60,689	61,780	63,717	(2)	25,506	28,788	31,589
White.....	(2)	(2)	37,285	37,516	38,241	(2)	19,292	20,627	21,423
Colored.....	(2)	(2)	23,404	24,264	25,476	(2)	6,214	8,261	10,166
Idaho.....	(2)	(2)	9,177	9,075	8,732	(2)	5,006	5,075	4,790
Illinois.....	(2)	135,437	128,121	118,788	111,512	53,844	44,530	33,000	28,332
Indiana.....	64,809	64,342	59,728	55,973	53,073	25,710	20,082	17,274	14,317
Iowa.....	(2)	47,780	42,733	41,943	40,459	23,466	16,505	16,262	14,673
Kansas.....	39,632	36,716	33,707	32,794	31,700	18,135	14,202	14,176	12,188
Kentucky.....	62,888	63,507	59,202	57,120	59,506	35,120	29,700	28,215	30,446
White.....	58,747	59,088	55,881	53,865	56,195	35,352	31,069	29,609	31,866
Colored.....	4,141	4,419	3,321	3,255	3,310	-232	-1,369	-1,294	-820
Louisiana.....	(2)	(2)	42,890	43,309	43,298	(2)	18,183	19,834	19,987
White.....	(2)	(2)	26,166	26,518	26,606	(2)	13,548	14,034	13,084
Colored.....	(2)	(2)	16,724	17,065	17,692	(2)	4,640	5,800	6,903
Maine.....	17,328	17,453	16,199	16,303	16,129	6,661	5,117	5,813	5,410
Maryland.....	36,212	33,864	30,251	28,782	28,320	12,236	8,684	7,019	7,782
White.....	29,452	27,124	23,834	22,551	22,477	10,981	7,631	6,185	6,522
Colored.....	6,760	6,740	6,417	6,231	6,343	1,255	1,153	834	1,260
Massachusetts.....	91,692	86,037	73,016	69,221	68,534	34,316	24,283	20,644	19,088
Michigan.....	92,740	99,220	99,325	90,929	85,736	49,801	47,705	41,825	36,151
Minnesota.....	55,909	53,776	47,418	46,882	46,377	28,340	21,716	21,437	20,786
Mississippi.....	(2)	45,155	48,163	45,211	46,273	23,002	24,064	23,202	25,062
White.....	(2)	22,033	23,296	21,702	21,793	13,865	14,138	13,008	13,432
Colored.....	(2)	23,072	24,867	23,509	24,480	9,137	9,926	10,194	12,480
Missouri.....	(2)	(2)	62,166	60,734	59,949	(2)	19,067	16,614	16,211
Montana.....	(2)	10,234	9,971	9,638	9,091	5,046	4,531	4,358	3,797
Nebraska.....	30,911	29,233	27,004	26,609	25,159	16,740	13,712	13,701	12,237
Nevada.....	(2)	1,322	1,223	1,260	(2)	1,260	(2)	1,172	-82
New Hampshire.....	9,946	9,407	8,342	7,764	7,808	2,844	2,020	1,841	1,479
New Jersey.....	(2)	74,181	68,321	64,054	61,219	31,989	24,724	19,579	18,305
New Mexico.....	(2)	12,115	12,322	12,391	(2)	5,516	6,166	6,433	(2)
New York.....	235,243	229,717	216,072	205,677	198,431	87,217	68,619	56,570	50,807
North Carolina.....	81,407	83,716	76,772	74,799	77,902	51,168	40,990	41,683	46,851
White.....	57,054	57,681	53,162	51,901	53,702	37,979	31,835	31,737	34,189
Colored.....	24,353	26,035	23,310	22,898	24,200	13,189	9,155	9,946	12,662
North Dakota.....	(2)	14,471	14,783	14,380	14,047	9,426	9,412	9,252	8,894
Ohio.....	123,729	126,878	118,260	108,150	101,753	53,271	42,034	32,593	25,467
Oklahoma.....	(2)	(2)	42,505	43,269	41,039	(2)	22,859	24,467	21,754
White.....	(2)	(2)	39,468	39,798	37,683	(2)	22,805	23,905	20,967
Colored.....	(2)	(2)	3,037	3,471	3,356	(2)	54	562	787
Oregon.....	14,942	15,486	13,468	13,210	12,847	5,857	2,925	2,968	2,570
Pennsylvania.....	220,462	215,120	189,458	178,714	168,534	99,375	77,852	66,778	59,330
Rhode Island.....	(2)	14,400	12,191	11,325	11,171	6,174	4,185	3,352	3,091
South Carolina.....	47,777	(2)	40,460	39,515	41,518	(2)	18,027	18,428	21,634
White.....	23,813	(2)	20,057	19,259	20,072	(2)	10,786	10,541	11,473
Colored.....	23,964	(2)	20,403	20,256	21,446	(2)	7,241	7,887	10,161
South Dakota.....	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	7,516
Tennessee.....	(2)	(2)	52,652	52,234	52,491	(2)	22,665	23,616	23,893
White.....	(2)	(2)	44,446	44,848	44,406	(2)	23,809	23,742	23,538
Colored.....	(2)	(2)	8,106	7,386	8,085	(2)	-644	-126	280

¹ A minus sign indicates an excess of deaths over births² Not in the birth registration area

No. 75.—BIRTHS AND EXCESS OF BIRTHS OVER DEATHS: BY STATES—Con.

Area	Number of births					Excess of births over deaths ¹			
	1920	1925	1930	1931	1932	1925	1930	1931	1932
Utah.....	14, 157	13, 735	12, 946	12, 018	11, 974	9, 251	7, 882	7, 540	7, 554
Vermont.....	7, 409	7, 509	6, 934	6, 076	6, 030	2, 372	2, 247	2, 183	1, 277
Virginia.....	65, 794	61, 193	54, 703	52, 731	54, 382	31, 850	24, 388	22, 702	25, 684
White.....	45, 229	42, 407	38, 972	37, 745	38, 615	24, 884	20, 379	19, 276	20, 243
Colored.....	20, 565	18, 786	15, 731	14, 985	15, 767	6, 966	4, 009	3, 426	5, 441
Washington.....	27, 072	24, 741	23, 019	22, 028	21, 379	9, 461	6, 341	5, 504	4, 798
West Virginia.....	(²)	45, 311	41, 614	39, 325	38, 803	28, 157	23, 394	21, 705	20, 891
Wisconsin.....	58, 697	57, 324	56, 788	54, 420	53, 107	27, 944	26, 235	24, 203	22, 786
Wyoming.....	(²)	4, 833	4, 471	4, 504	4, 249	2, 937	2, 392	2, 469	2, 192
Hawaii ³	(²)	(²)	10, 814	10, 463	10, 493	(²)	6, 949	6, 732	6, 823
Virgin Islands ³	(²)	634	592	478	553	133	108	29	99

¹ A minus sign indicates an excess of deaths over births. ² Not in the birth registration area.³ Not included in total

Source: Bureau of the Census, Department of Commerce.

No. 76.—BIRTHS, DEATHS, AND EXCESS OF BIRTHS OVER DEATHS: RATES PER 1,000 POPULATION IN THE BIRTH REGISTRATION AREA

NOTE.—See general note, p 77

Area	1920	1924	1925	1926	1927	1928	1929	1930	1931	1932
Total birth registration area.....										
Births.....	23.7	22.4	21.5	20.7	20.6	19.8	18.9	18.9	18.0	17.4
Deaths.....	13.1	11.7	11.8	12.2	11.4	12.0	11.9	11.3	11.1	10.9
Excess.....	10.6	10.7	9.7	8.5	9.2	7.8	7.0	7.6	6.9	6.5
White.....										
Births.....	23.4	22.1	21.2	20.4	20.4	19.5	18.6	18.6	17.7	17.0
Deaths.....	12.7	11.2	11.4	11.8	10.9	11.5	11.3	10.8	10.6	10.5
Excess.....	10.7	10.9	9.8	8.6	9.5	8.0	7.3	7.8	7.1	6.5
Colored.....										
Births.....	26.9	26.2	25.4	24.9	23.6	22.2	21.3	21.5	20.9	21.3
Deaths.....	18.3	17.3	17.6	18.1	16.5	17.1	16.9	16.3	15.5	14.5
Excess.....	8.6	8.9	7.8	6.8	7.1	5.1	4.4	5.2	5.4	6.8
Cities.....										
Births.....	23.9	22.8	21.9	21.2	21.0	20.1	19.4	19.1	17.5	16.7
Deaths.....	14.0	12.5	12.7	13.1	12.4	13.3	13.0	12.3	11.9	11.6
Excess.....	9.8	10.3	9.2	8.1	8.6	6.8	6.4	6.8	5.6	5.1
Rural.....										
Births.....	23.5	22.0	21.0	20.2	20.3	19.5	18.4	18.7	18.4	18.1
Deaths.....	12.2	10.9	10.9	11.3	10.4	11.0	10.9	10.5	10.3	10.2
Excess.....	11.3	11.1	10.1	8.9	9.9	8.5	7.5	8.2	8.1	7.9

Source: Bureau of the Census, Department of Commerce.

No. 77.—BIRTHS AND EXCESS OF BIRTHS OVER DEATHS: RATES PER 1,000 POPULATION, BY STATES

NOTE.—See general note, p 77

Area	Births per 1,000 population								Excess of births over deaths per 1,000 population ¹				
	1920	1925	1927	1928	1929	1930	1931	1932	1925	1929	1930	1931	1932
Total birth registration area.....	23.7	21.5	20.6	19.8	18.9	18.9	18.0	17.4	9.7	7.0	7.6	6.9	6.5
White.....	23.4	21.2	20.4	19.5	18.6	18.6	17.7	17.0	9.8	7.3	7.8	7.1	6.5
Colored.....	26.9	25.4	23.6	22.2	21.3	21.5	20.9	21.3	7.8	4.4	5.2	5.4	6.8
Cities in birth registration area.....	23.9	21.9	21.0	20.1	19.4	19.1	17.5	16.7	9.2	6.4	6.8	5.6	5.1
Rural part of birth registration area.....	23.5	21.0	20.3	19.5	18.4	18.7	18.4	18.1	10.1	7.5	8.2	8.1	7.9
Alabama.....	(²)	(²)	26.3	24.5	24.0	24.0	23.5	23.5	(²)	11.6	12.5	12.8	13.2
White.....	(²)	(²)	26.9	24.8	24.2	23.9	23.2	22.8	(²)	14.0	14.6	14.4	14.2
Colored.....	(²)	(²)	25.2	23.9	23.5	24.3	24.1	24.8	(²)	7.3	9.1	10.1	11.3
Arizona.....	(²)	(²)	20.9	21.4	22.4	23.7	21.1	19.0	(²)	6.5	8.5	7.4	6.9

¹ A minus sign indicates an excess of deaths over births.² Not in the birth registration area

No. 77.—BIRTHS AND EXCESS OF BIRTHS OVER DEATHS: RATES PER 1,000 POPULATION, BY STATES—Continued

Area	Births per 1,000 population								Excess of births over deaths per 1,000 population ¹				
	1920	1925	1927	1928	1929	1930	1931	1932	1925	1929	1930	1931	1932
Arkansas.....	(?)	(?)	22 1	20 8	20 2	22 1	22 0	20 1	(?)	9.7	11.9	12.4	11 4
White.....	(?)	(?)	23.3	21 9	21.0	23.2	22 8	20 7	(?)	11.6	14.1	14 0	12 6
Colored.....	(?)	(?)	18.6	17.8	17 8	18.9	19 8	18 2	(?)	4.0	5.4	7 9	7 7
California.....	19 0	18 4	16 6	15 8	14 8	14 7	13 9	13 1	6 0	2.9	3.1	2 4	1.7
Colorado.....	(?)	(?)	18 8	17 4	18 1	17 7	16 8	(?)	4.9	5.4	5.7	4 8	
Connecticut.....	24 5	19 8	18 7	18 0	17 1	17 2	15 7	14 5	8 0	3.6	6 5	5.1	4 1
Delaware.....	(?)	20 2	18 7	18 3	18 1	18 7	17 7	17 9	6 7	4.9	5.1	3.9	4 7
District of Columbia.....	20 1	19 6	19 1	18 7	18 4	19 2	19 0	20 6	4 5	3 0	4.1	3.2	4 5
White.....	19 3	18 3	17 9	17 5	17 0	17 3	17 9	19 1	5 7	4 0	4.9	4.5	6 1
Colored.....	22 4	23 3	22 3	21.8	22.2	22.9	22 1	24 6	1 1	5 5	1.9	3 0	3 0
Florida.....	(?)	23 8	25 6	21 5	18 8	18.2	18 0	17 9	10 2	6.1	5.9	6 0	5 9
White.....	(?)	23 7	25 7	21 3	18 2	17.8	17 5	17 4	11.8	7.4	7.2	7 1	7 0
Colored.....	(?)	24 0	25 4	22 0	20 1	19 3	19 0	19 2	6 6	3 0	2.8	3 0	3.5
Georgia.....	(?)	(?)	(?)	20.3	20 1	20 9	21.2	21 9	(?)	7.9	8.8	9.9	10 9
White.....	(?)	(?)	(?)	20 6	19.6	20.3	20 3	20 6	(?)	9.6	10.5	11.1	11 5
Colored.....	(?)	(?)	(?)	20 0	21.1	21 9	22 9	24 1	(?)	5.3	5.8	7 8	9 6
Idaho.....	(?)	(?)	20 8	20 5	19 8	20.6	20 3	19 5	(?)	10 6	11 2	11.3	10 7
Illinois.....	(?)	19 1	18 3	17 4	17.0	16.7	15.4	14 4	7 6	5 1	5.8	4.3	3 7
Indiana.....	22 0	18 9	19 7	18 9	18 3	18 3	17 2	16 2	8 3	5.6	6 2	5.3	4 4
Iowa.....	(?)	19 6	18 2	17 6	17 1	17 3	16 9	16 3	9 6	6 7	6 7	6 5	5 9
Kansas.....	22 3	20 1	18 8	18 2	17.4	17.9	17 4	16 7	9 9	7 0	7 5	7 5	6 4
Kentucky.....	26 9	25 2	24 3	23 0	21 7	22 6	21 7	22 6	13 9	9 7	13.3	10 7	11 6
White.....	26 8	25 3	24 0	23 7	22 3	23 4	22 4	23 3	15 4	11 7	13.0	12 3	13 0
Colored.....	17 6	19 2	17 7	16 1	15 6	15 0	14 4	14 7	-1 0	-5 7	-8 0	-5 7	-4 1
Louisiana.....	(?)	(?)	22 9	20 5	20.3	20 3	20 4	20 3	(?)	8 4	8 6	9 3	9 1
White.....	(?)	(?)	22 8	20.1	19 7	19 7	19 6	19 0	(?)	10 0	10 2	10 4	9 7
Colored.....	(?)	(?)	23 0	21.1	21 2	21 4	21 7	22 5	(?)	5.5	5.9	7 4	8 8
Maine.....	22 5	22 3	20 7	20 8	20 0	20.3	20 4	20 1	8.5	5.7	6 4	7 3	6 7
Maryland.....	24 8	21 9	20 5	19 9	18 5	18.5	17.5	17 4	7 9	5 0	5.3	4 3	4 7
White.....	24 3	21 1	19 8	19 0	17.5	17 6	16.5	16 4	8 5	5 1	5.6	4 6	4 8
Colored.....	27 4	25 7	24 4	24 3	23 4	23.1	22.3	22 6	4 8	4 5	4.2	3 0	4 5
Massachusetts.....	23 7	21 2	19 9	18 9	17.5	17 3	16 2	15 9	8 5	5 2	5.8	4 9	4 4
Michigan.....	24 9	23 1	22 1	21.1	20 8	20 4	18 4	17 2	11 6	9 0	9 8	8 4	7 2
Minnesota.....	23 3	21 7	20 2	19 5	18 3	18 5	18 2	17 9	11 5	8 2	8 5	8 3	8 0
Mississippi.....	(?)	23 7	25 3	24 4	22 9	23 9	22 3	22 7	12 1	9 9	11.9	11.4	12 7
White.....	(?)	23 7	25 3	24 3	22 3	23 5	21 5	21 6	14 9	12 0	14 1	12 9	13 3
Colored.....	(?)	23 6	25 2	24 6	23 4	24.5	23 1	24 0	6 3	7 9	9 8	10 0	12 2
Missouri.....	(?)	(?)	18 6	17 6	16 9	17 1	16 7	16 4	(?)	4 6	5.2	4 0	4 4
Montana.....	(?)	18 9	18 1	18 5	18 7	18.5	17 9	16 9	9.3	8 0	8 4	8 1	7 1
Nebraska.....	23 8	21 8	20 5	20 5	19 4	19.6	19 2	18 1	12.5	9.6	10 0	9 9	8 8
Nevada.....	(?)	(?)	(?)	(?)	14 2	14.6	13 3	13 5	(?)	.9	1 9	-1 3	-9 9
New Hampshire.....	22 4	20 7	19 2	18 8	17 6	17.9	16 6	16 7	6 3	3 5	4.3	3 9	3 2
New Jersey.....	(?)	20 4	19 1	18 0	17 2	16.8	15.6	14 8	8.8	5 6	6 1	4 8	4 5
New Mexico.....	(?)	(?)	(?)	(?)	27 1	28 5	28.8	28 7	(?)	11.7	13.0	14.4	14 9
New York.....	22 4	19 9	19 0	18 3	17 5	17 1	16 1	15 4	7 6	5 1	5.4	4 4	3 9
North Carolina.....	31 4	29 0	27 7	26 4	24 7	24 1	23.3	24 0	17 7	12 9	12 9	13 0	14 4
White.....	31 6	28 5	27 3	25 8	24 2	23.8	22 9	23 5	18 8	14 0	14 2	14 0	15 0
Colored.....	31 1	30 2	28 8	27 7	25 9	24.8	24 2	25 3	15 3	10 4	9 7	10 5	13 2
North Dakota.....	(?)	21 8	21 9	22 2	21 6	21 7	21 1	20 5	14 2	13 6	13.8	13 6	13 0
Ohio.....	21 3	20 3	19 3	18 5	17 7	17 7	16 1	15 1	8 5	5 3	6 3	4 8	3 7
Oklahoma.....	(?)	(?)	(?)	18 4	16 8	17 7	17 9	16 8	(?)	7 8	9 5	10 1	8 9
White.....	(?)	(?)	(?)	19 5	17 7	18.5	16.5	17 4	(?)	9 0	10 7	11 1	9 7
Colored.....	(?)	(?)	(?)	9 0	9 0	11.4	12.9	12 3	(?)	-3 0	.2	2 1	2 9
Oregon.....	18 9	17 7	16 1	15 2	14.1	14.1	13 7	13 2	6 7	2 8	3.1	3 1	2 6
Pennsylvania.....	25 2	23 4	22 4	21 2	19.8	19.6	18 4	17 3	10 8	7 5	8 0	6 9	6 1
Rhode Island.....	(?)	22 2	20 6	19 3	18 0	17 7	16 3	16 0	9 5	4 9	6 1	4 8	4 4
South Carolina.....	28 3	(?)	(?)	25 0	22 7	23.3	22 7	23 8	(?)	9 4	10.4	10.6	12 4
White.....	28 9	(?)	(?)	23 4	20.9	21 2	20.2	20 9	(?)	10 8	11.4	11.1	11 9
Colored.....	27 8	(?)	(?)	26 9	24.9	25.7	25 7	27 3	(?)	7 9	9 1	10 0	12 9
South Dakota.....	(?)	(?)	(?)	(?)	(?)	(?)	(?)	18 9	(?)	(?)	(?)	(?)	10 7
Tennessee.....	(?)	(?)	21 5	19 6	19 5	20 1	19 8	19 8	(?)	7 3	8 7	9 0	9 0
White.....	(?)	(?)	22 1	20 2	20 0	20 8	20 5	20 5	(?)	8 3	10 9	11 0	10 9
Colored.....	(?)	(?)	18 8	16 8	17.1	17 0	16 4	16 8	(?)	-1 6	-1 3	-3 6	-3 6
Utah.....	31 3	28 6	26 2	26 0	24 6	25 4	23 5	23 3	19 3	14 5	15.5	14.3	14 7
Vermont.....	21 0	21 1	19 6	19 6	18 7	19 3	18.5	18 5	6 7	4 0	6.3	6 0	3 6
Virginia.....	27 3	25 8	24 9	23 6	22 9	21 7	21 2	22 4	13 4	9 4	10.1	9 3	10 5
White.....	27 3	24 9	23 6	22 9	21 7	22 0	21 2	22 5	11 6	10 7	11 5	10 8	11 3
Colored.....	29 8	28 0	26 1	25 2	24.2	24 2	23 1	24 9	10 4	6 0	6 2	5 3	8 5
Washington.....	19 8	16 9	15 5	15 2	14 6	14 7	14 0	13 5	6 5	4 0	4 1	3.5	3 1
West Virginia.....	(?)	28 2	27 1	25 8	23 8	24 0	22.5	22 0	17 5	13 2	13 5	12.4	11 8
Wisconsin.....	22 2	20 5	20 2	19 9	19 0	19 3	18.4	17 8	10 0	8 3	8 9	8.2	7 6
Wyoming.....	(?)	22 9	20 6	20 4	19 8	19 8	19.8	18 6	13 9	10 8	10 6	10 9	9 6
Hawaii ²	(?)	(?)	(?)	(?)	31 2	29.1	27.4	26 7	(?)	19 0	18.7	17.6	17 4

¹ A minus sign indicates an excess of deaths over births.² Not in the birth registration area.³ Not included in the total.

Source. Bureau of the Census, Department of Commerce.

No. 78.—BIRTHS AND STILLBIRTHS BY LEGITIMACY: By States, 1932

Area	Births (excluding stillbirths)			Stillbirths			Stillbirths per 100 live births		
	Total	Legitimate	Illegitimate	Total	Legitimate	Illegitimate	Total	Legitimate	Illegitimate
Birth registration area ¹	1,927,415	1,852,910	74,505	73,891	67,616	6,275	3.8	3.6	8.4
White.....	1,674,668	1,639,974	34,694	55,153	53,124	2,029	3.3	3.2	5.8
Colored.....	252,747	212,936	39,811	18,738	14,492	4,246	7.4	6.8	10.7
Alabama	62,939	57,341	5,598	3,089	2,608	481	4.9	4.5	8.6
White.....	39,381	38,680	701	1,537	1,308	229	3.4	3.4	4.1
Colored.....	23,558	18,661	4,897	1,552	1,300	252	7.4	7.0	9.2
Arizona	8,523	8,349	174	14	202	14	2.5	2.4	8.0
Arkansas	37,450	35,803	1,557	1,491	1,338	153	4.0	3.7	9.8
White.....	29,689	28,304	385	861	828	33	3.0	2.9	8.6
Colored.....	8,761	7,589	1,172	630	510	120	7.2	6.7	10.2
Colorado	17,613	17,162	451	559	537	22	3.2	3.1	4.9
Connecticut	23,731	23,309	422	685	667	18	2.9	2.9	4.3
Delaware	4,294	4,069	225	145	119	26	3.4	2.9	11.6
District of Columbia	10,157	9,376	781	437	362	75	4.3	3.9	9.6
White.....	6,809	6,655	154	210	202	8	3.1	3.0	4.6
Colored.....	3,348	2,741	607	227	160	67	6.8	6.8	11.0
Florida	27,402	25,731	1,671	1,550	1,321	229	5.7	5.1	13.7
White.....	18,874	18,540	334	706	677	29	3.7	3.7	8.7
Colored.....	8,528	7,191	1,337	844	644	200	9.9	9.0	15.0
Georgia	63,717	58,636	5,081	3,849	3,227	622	6.0	5.5	12.2
White.....	28,241	27,642	599	1,481	1,451	30	3.9	3.9	6.7
Colored.....	20,004	20,004	4,482	2,368	1,776	592	9.3	8.5	13.0
Idaho	8,732	8,641	91	236	229	7	2.7	2.7	7.7
Illinois	111,512	108,844	2,668	3,446	3,326	120	3.1	3.1	4.5
Indiana	53,073	51,976	1,097	1,518	1,457	61	2.9	2.8	5.6
Iowa	40,459	39,730	729	1,278	1,226	52	3.2	3.2	7.1
Kansas	31,700	31,166	534	894	864	30	2.8	2.8	5.6
Kentucky	59,505	58,401	1,104	2,014	1,928	86	3.4	3.3	7.8
White.....	56,195	55,428	767	1,804	1,742	62	3.2	3.1	8.1
Colored.....	3,310	2,975	335	210	186	24	6.8	6.3	7.2
Louisiana	43,298	39,609	3,689	2,186	1,906	280	5.0	4.8	7.6
White.....	25,600	25,064	536	861	844	17	3.4	3.4	3.2
Colored.....	17,698	14,545	3,153	1,325	1,062	263	7.5	7.3	8.3
Maine	10,129	15,618	511	540	513	27	3.4	3.3	5.5
Maryland	28,920	28,828	1,992	1,856	1,694	162	6.4	5.9	13.2
White.....	22,477	21,956	521	1,211	1,145	66	5.4	5.2	12.7
Colored.....	6,443	6,872	1,471	645	549	96	10.2	9.2	13.3
Michigan	85,736	83,634	2,102	2,977	2,871	106	3.5	3.4	5.0
Minnesota	46,377	45,178	1,199	1,333	1,257	76	2.9	2.8	6.3
Mississippi	46,273	42,439	3,834	2,189	1,849	340	4.7	4.4	8.9
White.....	21,787	21,501	286	678	660	18	3.1	3.1	6.3
Colored.....	24,486	20,938	3,548	1,511	1,189	322	6.2	6.7	9.1
Missouri	59,949	58,027	1,922	2,477	2,299	178	4.1	4.0	9.3
Montana	9,091	8,802	289	254	250	4	2.8	2.8	2.0
Nebraska	25,159	24,676	483	693	676	17	2.8	2.7	3.5
Nevada	1,260	1,249	11	60	58	2	4.8	4.6	18.2
New Hampshire	7,808	7,659	149	300	284	16	3.8	3.7	10.7
New Jersey	61,219	59,943	1,276	2,291	2,205	86	3.7	3.7	6.7
New Mexico	12,391	11,973	418	389	372	17	3.1	3.1	4.1
New York	198,431	194,737	3,694	8,258	7,934	324	4.2	4.1	7.4
North Carolina	77,002	71,614	5,388	3,636	2,989	647	4.7	4.2	10.3
White.....	53,701	52,286	1,415	1,748	1,653	95	3.3	3.2	6.3
Colored.....	24,301	19,328	4,973	1,890	1,336	554	7.8	6.9	11.5
North Dakota	14,047	13,727	320	362	346	16	2.6	2.5	5.0
Ohio	101,753	99,219	2,534	3,453	3,275	178	3.4	3.3	7.0
Oklahoma	41,039	40,157	882	1,056	1,013	43	2.6	2.5	4.9
White.....	37,553	36,932	621	913	887	26	2.4	2.4	4.6
Colored.....	3,486	3,165	321	143	126	17	4.1	4.0	5.3
Oregon	12,847	12,613	234	322	308	14	2.5	2.4	6.0
Pennsylvania	168,534	162,897	5,637	6,021	5,653	368	3.6	3.5	6.5
Rhode Island	11,171	10,901	270	382	370	12	3.4	3.4	4.4
South Carolina	41,518	38,803	2,715	2,651	2,116	535	6.4	5.7	11.3
White.....	29,072	19,872	9,200	1,678	1,537	141	3.4	3.4	4.2
Colored.....	21,446	18,931	2,515	1,973	1,579	394	9.2	8.6	12.2
South Dakota	13,241	13,013	228	312	302	10	2.4	2.3	4.4
Tennessee	52,491	50,360	2,131	2,097	1,902	195	4.0	3.8	9.2
White.....	44,406	42,496	1,910	1,473	1,423	50	3.3	3.3	5.5
Colored.....	8,085	6,864	1,221	624	479	145	7.7	7.0	11.9
Utah	11,974	11,856	118	247	243	4	2.1	2.0	3.4
Vermont	6,030	5,884	146	184	180	4	3.1	3.1	2.7
Virginia	54,582	50,734	3,848	2,422	2,064	358	4.4	4.1	9.3
White.....	38,516	37,524	991	1,224	1,160	64	3.2	3.1	6.5
Colored.....	16,067	13,210	2,857	1,198	904	294	7.5	6.8	10.3
Washington	21,879	20,922	957	530	512	18	2.5	2.4	3.9
West Virginia	38,803	37,067	1,736	1,431	1,292	139	3.7	3.5	8.0
Wisconsin	53,107	51,878	1,229	1,457	1,407	50	2.7	2.7	4.1
Wyoming	4,249	4,179	70	112	110	2	2.6	2.6	2.9

¹ Exclusive of California and Massachusetts which do not require a statement of legitimacy of child.

Source: Bureau of the Census, Department of Commerce.

No. 79.—DEATHS OF INFANTS UNDER 1 YEAR OF AGE: NUMBER AND RATES,
BY STATES, FOR THE BIRTH REGISTRATION AREA

NOTE—See general note, p 77

Area	Number of infant deaths		Deaths of infants under 1 year of age per 1,000 births							
	1931	1932	1920	1925	1928	1929	1930	1931	1932	
Total birth registration area.	130, 134	119, 431	88	72	69	68	65	62	58	
White.....	107, 269	96, 250	82	68	64	63	60	57	53	
Colored.....	22, 865	23, 181	132	111	106	102	100	93	86	
Cities.....	61, 705	54, 788	91	73	69	66	63	61	57	
White.....	52, 672	45, 894	87	69	65	62	59	57	53	
Colored.....	9, 033	8, 894	158	125	121	114	109	106	96	
Rural part.....	68, 429	64, 643	81	70	68	69	66	62	58	
White.....	54, 597	50, 356	76	67	63	64	62	58	54	
Colored.....	13, 832	14, 287	118	101	99	96	95	86	81	
Alabama.....	3, 855	3, 835	(1)	(1)	75	74	72	61	61	
White.....	2, 098	2, 042	(1)	(1)	64	64	60	53	52	
Colored.....	1, 757	1, 793	(1)	(1)	94	91	94	77	76	
Arizona.....	1, 027	817	(1)	(1)	142	133	117	110	96	
Arkansas.....	2, 013	1, 697	(1)	(1)	67	58	51	49	45	
White.....	1, 530	1, 244	(1)	(1)	61	55	60	43	43	
Colored.....	483	453	(1)	(1)	86	69	56	51	52	
California.....	4, 613	4, 116	74	69	62	63	59	57	53	
Colorado.....	1, 500	1, 259	(1)	(1)	89	91	94	81	72	
Connecticut.....	1, 375	1, 173	92	73	59	64	56	54	49	
Delaware.....	346	288	(1)	91	78	81	78	82	67	
District of Columbia.....	627	740	91	87	65	71	71	67	73	
White.....	283	380	72	67	46	48	52	44	56	
Colored.....	344	360	139	132	107	117	110	115	108	
Florida.....	1, 728	1, 674	(1)	74	67	66	64	64	61	
White.....	967	933	(1)	60	55	52	50	52	49	
Colored.....	761	741	(1)	105	95	94	95	91	87	
Georgia.....	4, 217	4, 101	(1)	(1)	82	76	77	68	64	
White.....	2, 127	2, 121	(1)	(1)	68	66	65	57	56	
Colored.....	2, 090	1, 980	(1)	(1)	104	93	97	86	78	
Idaho.....	507	379	(1)	(1)	59	55	57	56	43	
Illinois.....	6, 961	5, 884	(1)	73	64	61	56	59	53	
Indiana.....	3, 224	2, 903	82	68	63	64	58	58	55	
Iowa.....	2, 055	1, 938	(1)	56	53	53	54	49	48	
Kansas.....	1, 571	1, 525	73	62	59	58	53	48	48	
Kentucky.....	3, 713	3, 767	73	70	70	71	65	65	63	
White.....	3, 268	3, 409	69	67	66	67	62	61	61	
Colored.....	445	358	138	120	118	130	122	137	108	
Louisiana.....	2, 856	2, 804	(1)	(1)	78	74	78	66	65	
White.....	1, 409	1, 353	(1)	(1)	64	59	62	54	53	
Colored.....	1, 447	1, 451	(1)	(1)	102	98	103	85	82	
Maine.....	1, 166	1, 017	102	76	73	77	76	72	63	
Maryland.....	2, 318	1, 989	104	90	80	80	75	81	69	
White.....	1, 496	1, 282	90	76	67	69	63	66	57	
Colored.....	822	700	164	146	128	120	121	132	110	
Massachusetts.....	3, 774	3, 624	91	73	64	62	60	55	53	
Michigan.....	5, 184	4, 628	92	75	69	66	63	57	54	
Minnesota.....	2, 370	2, 189	66	60	54	51	52	51	47	
Mississippi.....	2, 529	2, 480	(1)	68	74	72	68	56	54	
White.....	952	967	(1)	53	61	53	51	44	44	
Colored.....	1, 577	1, 513	(1)	83	86	85	83	67	62	
Missouri.....	3, 814	3, 430	(1)	(1)	66	62	59	63	57	
Montana.....	583	467	(1)	71	61	64	58	60	51	
Nebraska.....	1, 299	1, 091	64	58	53	52	49	49	43	
Nevada.....	445	460	(1)	(1)	(1)	67	68	74	70	
New Hampshire.....	3, 640	3, 075	88	76	69	68	61	57	59	
New Jersey.....	1, 656	1, 479	(1)	69	65	60	56	57	50	
New Mexico.....	11, 808	10, 469	86	68	65	61	59	57	53	
New York.....	5, 455	5, 183	85	79	86	79	79	73	67	
White.....	3, 116	3, 073	73	67	75	67	67	60	57	
Colored.....	2, 340	2, 110	113	105	109	107	105	102	87	
North Dakota.....	845	779	(1)	72	60	67	62	59	56	
Ohio.....	6, 494	5, 951	83	70	66	69	61	60	59	
Oklahoma.....	2, 228	2, 053	(1)	(1)	69	70	61	51	50	
White.....	1, 343	1, 770	(1)	(1)	65	66	57	49	47	
Colored.....	886	282	(1)	(1)	131	142	108	32	31	
Oregon.....	577	531	62	51	47	48	50	44	41	
Pennsylvania.....	11, 918	10, 113	97	82	72	71	68	67	60	

1 Not in the birth registration area.

No. 79.—DEATHS OF INFANTS UNDER 1 YEAR OF AGE: NUMBER AND RATES BY STATES, FOR THE BIRTH REGISTRATION AREA—Continued

Area	Number of infant deaths		Deaths of infants under 1 year of age per 1,000 births						
	1931	1932	1920	1925	1928	1929	1930	1931	1932
Rhode Island.....	689	639	(¹)	73	67	72	62	61	57
South Carolina.....	3,201	3,204	116	(¹)	97	91	89	81	77
White.....	1,134	1,234	83	(¹)	78	72	69	59	62
Colored.....	2,067	1,970	148	(¹)	115	110	108	102	92
South Dakota.....	(¹)	668	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	50
Tennessee.....	3,530	3,550	(¹)	(¹)	81	77	76	68	68
White.....	2,727	2,788	(¹)	(¹)	78	70	69	61	63
Colored.....	803	767	(¹)	(¹)	121	117	115	102	95
Utah.....	618	529	71	56	59	59	57	51	44
Vermont.....	400	381	96	72	65	66	65	60	63
Virginia.....	4,026	3,670	84	81	76	79	77	76	67
White.....	2,411	2,222	72	68	64	67	65	64	58
Colored.....	1,615	1,448	110	111	106	107	107	108	90
Washington.....	1,064	967	66	56	48	49	49	48	45
West Virginia.....	3,636	2,911	(¹)	80	70	78	81	77	75
Wisconsin.....	2,887	2,675	77	67	61	60	56	53	50
Wyoming.....	301	242	(¹)	64	68	70	69	69	57
Hawaii ²	796	799	(¹)	(¹)	(¹)	101	82	76	76
Virgin Islands ³	57	74	(¹)	142	215	145	120	119	134
Total for area having birth registration in 1917 ³	70,437	63,953	86	73	68	66	63	61	57

¹Not in the birth registration area.²Not included in the total.³Exclusive of Rhode Island.

No. 80.—DEATHS OF INFANTS UNDER 1 YEAR OF AGE: RATES PER 1,000 BIRTHS, BY PRINCIPAL CAUSES, FOR THE BIRTH REGISTRATION AREA

NOTE—See general note, p 77

Cause of death	Deaths under 1 year of age per 1,000 births											
	Entire registration area							Registration area as of 1917 (exclusive of Rhode Island)				
	1920	1925	1928	1929	1930	1931	1932	1920	1925	1930	1931	1932
All causes under 1 year of age.....	85.8	71.7	68.7	67.6	64.6	61.6	57.6	86.1	72.8	63.1	60.9	56.8
Measles.....	1.0	.3	.6	.3	.4	.4	.2	1.0	.4	.3	.4	.3
Scarlet fever.....	.1	.1	.1	.1	.1	.1	(1)	.1	.1	.1	(1)	(1)
Whooping cough.....	3.0	1.8	1.6	1.9	1.5	1.2	1.5	3.0	1.6	1.4	1.2	1.5
Diphtheria ².....	.5	.3	.3	.2	.2	.2	.2	.5	.3	.2	.1	.2
Influenza and pneumonia (lobar and unspecified).....	5.9	4.4	5.6	5.9	3.8	4.2	4.0	5.7	4.4	3.6	4.1	3.7
Dysentery.....	.4	.3	.3	.3	.4	.3	.2	.3	.3	.3	.2	.2
Erysipelas.....	.4	.3	.3	.4	.3	.3	.3	.4	.4	.4	.3	.3
Tetanus.....	.1	.1	.1	.1	.1	.1	.1	.1	(1)	(1)	(1)	(1)
Tuberculosis (all forms).....	1.0	.6	.5	.4	.5	.5	.5	1.0	.7	.5	.5	.4
Syphilis.....	.9	.7	.8	.8	.8	.8	.8	.8	.7	.7	.7	.7
Convulsions.....	1.0	.7	.5	.4	.4	.3	.3	1.0	.7	.4	.3	.3
Bronchitis and broncho- pneumonia.....	9.6	7.7	7.3	7.0	6.8	6.8	6.0	10.1	8.0	7.2	7.2	6.5
Diseases of the stomach ³	1.2	.6	.5	.4	.3	.3	.2	1.1	.6	.3	.2	.2
Diarrhea and enteritis ⁴	14.9	11.2	7.7	7.1	7.8	6.6	5.2	15.2	11.2	7.5	6.3	4.9
Congenital malformations.....	6.2	6.2	5.4	5.5	5.3	5.4	5.3	6.4	6.3	5.9	6.1	6.0
Congenital debility and other diseases of early in- fancy.....	7.7	5.9	5.0	4.7	4.7	4.5	4.2	7.7	6.1	4.8	4.5	4.2
Premature birth.....	19.4	17.2	17.6	17.5	16.7	16.0	15.8	19.1	17.6	16.8	16.3	16.1
Injury at birth.....	3.7	4.9	4.7	4.8	4.8	4.8	4.6	3.9	4.9	5.3	5.3	5.1
External causes.....	1.0	1.0	1.0	1.0	1.1	1.0	.9	1.0	1.0	.9	.9	.9
Unknown or ill-defined diseases.....	2.5	2.2	3.7	3.8	4.0	3.7	3.6	2.5	2.0	2.0	1.8	1.4
All other causes.....	5.4	5.2	5.0	5.0	4.5	4.3	3.8	5.3	5.4	4.6	4.5	4.0

¹Less than one-tenth of 1 per 1,000 births²Includes droup in 1920³Excludes ulcer of the duodenum in 1920⁴Includes ulcer of the duodenum in 1920.

Source of Tables 79 and 80: Bureau of the Census, Department of Commerce.

No. 81.—DEATHS OF INFANTS UNDER 1 YEAR OF AGE: RATES PER 1,000 BIRTHS ACCORDING TO AGE SUBDIVISIONS, FOR THE ENTIRE BIRTH REGISTRATION AREA AND FOR THE REGISTRATION AREA OF 1917

NOTE—See general note, p 77

Age	Deaths under 1 year of age per 1,000 births											
	Entire registration area							Registration area as of 1917 (exclusive of Rhode Island)				
	1920	1925	1928	1929	1930	1931	1932	1920	1925	1930	1931	1932
Total under 1 year....	85.8	71.7	68.7	67.6	64.6	61.6	57.6	86.1	72.8	63.1	60.9	56.8
Under 1 day.....	14.8	15.0	15.3	15.3	15.0	15.0	15.0	14.8	15.0	14.9	15.0	15.0
1 day.....	4.6	4.2	4.4	4.4	4.2	4.0	3.8	4.6	4.3	4.2	4.1	3.9
2 days.....	3.4	3.2	3.1	3.0	2.9	2.7	2.6	3.4	3.2	2.9	2.8	2.7
3 to 6 days.....	6.4	5.8	5.4	5.3	5.1	4.7	4.7	6.4	5.9	5.0	4.7	4.6
1 week.....	5.4	4.4	4.1	3.9	3.9	3.6	3.4	5.4	4.5	3.8	3.6	3.2
2 weeks.....	3.8	2.9	2.6	2.6	2.5	2.4	2.2	3.8	3.0	2.5	2.4	2.2
3 weeks.....	3.1	2.3	2.3	2.3	2.1	2.0	1.8	3.1	2.4	2.1	2.0	1.9
Under 1 month.....	41.5	37.8	37.2	36.9	35.7	34.6	33.5	41.5	38.3	35.4	34.6	33.5
1 month.....	7.3	5.8	5.5	5.6	5.3	5.0	4.7	7.2	5.9	5.1	4.9	4.5
2 months.....	5.7	4.6	4.4	4.3	4.2	4.0	3.6	5.7	4.7	4.1	3.9	3.4
3 to 5 months.....	13.1	10.3	9.3	9.2	8.8	8.0	7.2	13.2	10.5	8.4	7.7	7.0
6 to 8 months.....	10.0	7.4	6.9	6.5	6.2	5.7	4.9	10.1	7.5	5.9	5.6	4.8
9 to 11 months.....	8.3	5.8	5.4	5.1	4.6	4.3	3.8	8.5	5.9	4.3	4.2	3.7

Source: Bureau of the Census, Department of Commerce

No. 82.—HOMICIDES AND SUICIDES: NUMBER AND RATE IN CITIES HAVING 100,000 POPULATION OR MORE IN 1900

Year	Estimated population July 1	Homicides		Suicides	
		Number	Rate per 100,000 popula- tion	Number	Rate per 100,000 popula- tion
1900.....	14,133,877	481	3.4	2,099	14.9
1904.....	15,670,701	723	4.6	2,998	19.1
1905.....	16,104,214	983	6.1	3,126	19.4
1906.....	16,594,107	1,189	7.2	2,984	18.0
1907.....	17,072,832	1,455	8.5	3,319	19.4
1908.....	17,641,214	1,401	8.0	3,957	22.6
1909.....	18,018,210	1,252	6.9	3,772	20.9
1910.....	18,522,956	1,479	8.0	3,743	20.2
1911.....	18,958,147	1,505	7.9	3,880	20.5
1912.....	19,413,308	1,504	7.7	3,868	19.9
1913.....	19,847,428	1,702	8.6	3,957	19.9
1914.....	20,273,425	1,715	8.5	4,351	21.5
1915.....	20,729,640	1,698	8.2	4,455	21.5
1916 ¹	21,021,720	1,786	8.5	3,892	18.5
1917.....	21,616,460	2,061	9.5	3,816	17.7
1918.....	22,038,899	1,865	8.5	3,351	15.2
1919.....	22,563,206	2,006	8.9	3,229	14.3
1920.....	23,009,576	1,930	8.4	2,910	12.6
1921.....	23,462,846	2,168	9.2	3,731	15.9
1922.....	23,935,903	2,211	9.2	3,626	15.1
1923.....	24,410,880	2,435	10.0	3,692	15.1
1924.....	24,866,783	2,682	10.8	3,855	15.5
1925.....	25,339,416	2,808	11.1	4,000	15.8
1926.....	25,830,606	2,715	10.5	4,264	16.5
1927.....	26,337,938	2,771	10.5	4,492	17.1
1928.....	26,815,069	2,748	10.2	4,799	17.9
1929.....	27,282,708	2,674	9.8	4,996	18.3
1930.....	27,789,074	2,866	10.3	5,587	20.1
1931.....	28,259,474	2,924	10.3	5,668	20.1
1932.....	28,260,974	2,868	10.2	6,059	21.4

¹ Excludes Memphis, Tenn.

Source: Bureau of the Census, Department of Commerce.

No. 83.—BIRTH AND DEATH REGISTRATION: STATES INCLUDED IN REGISTRATION AREA WITH YEAR WHEN EACH WAS ADDED

Death registration States				Birth registration States			
State	Year	State	Year	State	Year	State	Year
Massachusetts.....	1880	Kentucky.....	1911	Connecticut.....	1915	Nebraska.....	1920
New Jersey.....		Missouri.....		Maine.....		Delaware.....	
Dist of Col.....		Virginia.....		Massachusetts.....		Mississippi.....	
Connecticut.....		Kansas.....		Michigan.....		New Jersey.....	
Delaware ¹	1890	South Carolina.....	1916	Minnesota.....	1915	Illinois.....	1922
New Hampshire.....		Tennessee.....		New Hampshire.....		Montana.....	
New York.....		Illinois.....		New York.....		Wyoming.....	
Rhode Island.....		Louisiana.....		Pennsylvania.....		Florida.....	
Vermont.....	1900	Oregon.....	1918	Rhode Island ²	1916	Iowa.....	1924
Maine.....		Florida.....		Vermont.....		North Dakota.....	
Michigan.....		Mississippi.....		Dist. of Col.....		West Virginia.....	
Indiana.....		Nebraska.....		Maryland.....		Arizona.....	
California.....	1906	Georgia ⁴	1922	Indiana.....	1917	Idaho.....	1926
Colorado.....		Idaho.....		Kansas.....		Alabama.....	
Maryland.....		Wyoming.....		Kentucky.....		Arkansas.....	
Pennsylvania.....		Iowa.....		North Carolina.....		Louisiana.....	
South Dakota ²	1908	North Dakota.....	1924	Ohio.....	1917	Missouri.....	1927
Washington.....		Alabama.....		Utah.....		Tennessee.....	
Wisconsin.....		West Virginia.....		Virginia.....		Colorado.....	
Ohio.....		Arizona.....		Washington.....	1919	Georgia.....	1928
Minnesota.....	1909	Arkansas.....	1927	Wisconsin.....		Oklahoma.....	
Montana.....		Oklahoma.....		California.....		Nevada.....	
North Carolina ³		Nevada.....		Oregon.....		New Mexico.....	
Utah.....	1910	New Mexico.....	1929	South Carolina ⁵		South Dakota.....	1932

¹ Dropped from the area in 1900, readmitted in 1919.

² Dropped from the area in 1910, readmitted in 1930.

³ Included only municipalities having a population of 1,000 or more in 1900; remainder added in 1916.

⁴ In 1925, State registration law declared unconstitutional; readmitted in 1928.

⁵ Dropped from area in 1919; readmitted in 1921.

⁶ Dropped from area in 1925; readmitted in 1928.

NOTE.—The Territory of Hawaii was added to the death registration area in 1917 and to the birth registration area in 1929, the Virgin Islands to both the death and the birth registration areas in 1924; and Puerto Rico to the death registration area in 1932.

No. 84.—MARRIAGES, DIVORCES, AND ANNULMENTS: NUMBER AND RATIO OF DIVORCES TO MARRIAGES, CONTINENTAL UNITED STATES

Calendar year	Marriages, number	Divorces				Number of divorces per 1,000 mar- riages	Num- ber of annul- ments	
		Total number	Granted to husband		Granted to wife			
			Number	Per cent	Number			Per cent
1890.....	542, 637	33, 461	11, 625	34. 7	21, 836	65. 3	62	
1893.....	578, 673	37, 468	12, 590	33. 6	24, 878	66. 4	65	
1894.....	566, 161	37, 568	12, 551	33. 4	25, 017	66. 6	66	
1895.....	598, 855	40, 387	13, 456	33. 3	26, 931	66. 7	67	
1896.....	613, 873	42, 937	14, 448	33. 6	28, 489	66. 4	70	
1897.....	622, 350	44, 699	14, 765	33. 0	29, 934	67. 0	72	
1898.....	625, 655	47, 849	15, 988	33. 4	31, 861	66. 6	76	
1899.....	650, 610	51, 437	16, 925	32. 9	34, 512	67. 1	79	
1900.....	685, 284	55, 751	18, 620	33. 4	37, 131	66. 6	81	
1901.....	716, 621	60, 984	20, 008	32. 8	40, 976	67. 2	85	
1902.....	746, 733	61, 480	20, 056	32. 6	41, 424	67. 4	82	
1903.....	786, 132	64, 925	21, 321	32. 8	43, 604	67. 2	83	
1904.....	781, 145	66, 199	22, 139	33. 5	44, 060	66. 5	85	
1905.....	804, 787	67, 976	22, 220	32. 7	45, 756	67. 3	84	
1906.....	853, 290	72, 062	23, 455	32. 5	48, 607	67. 5	84	
1916.....	1, 040, 684	114, 000	33, 809	31. 1	74, 893	68. 9	108	
1922.....	1, 134, 151	148, 815	47, 359	32. 0	100, 416	68. 0	131	
1923.....	1, 229, 784	165, 096	52, 999	32. 2	111, 480	67. 8	134	
1924.....	1, 184, 574	170, 952	52, 984	31. 5	115, 328	68. 5	144	
1925.....	1, 188, 334	175, 449	52, 147	30. 1	121, 333	69. 9	148	
1926.....	1, 202, 574	180, 853	52, 834	29. 5	126, 563	70. 5	150	
1927.....	1, 201, 063	192, 037	54, 637	29. 0	134, 048	71. 0	160	
1928.....	1, 182, 497	195, 939	55, 065	28. 6	137, 277	71. 4	166	
1929.....	1, 232, 559	201, 468	57, 148	28. 7	142, 187	71. 3	163	
1930.....	1, 126, 856	191, 591	52, 554	27. 7	137, 309	72. 3	170	
1931.....	1, 060, 914	183, 664	49, 591	27. 2	132, 612	72. 8	173	
1932.....	981, 903	160, 338	42, 335	26. 5	117, 375	73. 5	163	

¹ Statistics for annulments were collected for the first time in 1926.

² Includes divorces for which the libellant was not reported. Percentages, however, are based on the total number for which libellant was reported.

Source of Tables 83 and 84: Bureau of the Census, Department of Commerce.

No. 85.—MARRIAGES, DIVORCES, AND ANNULMENTS: By STATES

Division and State	Marriages				Divorces				Number of divorces per 1,000 marriages		Number of annulments, 1932
	Number		Per 1,000 of the population ¹		Number		Per 1,000 of the population ¹		1931	1932	
	1931	1932	1931	1932	1931	1932	1931	1932			
Continental U. S.	1,060,554	981,903	8.5	7.9	183,664	160,338	1.48	1.28	173	183	3,903
New England.....	55,282	49,453	6.7	6.0	7,937	7,628	.96	.92	144	154	98
Maine.....	6,232	5,564	7.8	7.0	1,342	1,219	1.68	1.52	215	219	17
New Hampshire.....	5,535	5,437	11.9	11.6	660	629	1.41	1.34	119	116	9
Vermont.....	2,554	2,405	1.1	1.7	325	365	.90	1.01	127	152	2
Massachusetts.....	26,296	22,817	6.1	5.3	3,585	3,543	.84	.82	136	155	56
Rhode Island.....	4,635	4,080	6.7	5.9	674	730	.97	1.05	145	179	-----
Connecticut.....	10,030	9,180	6.2	5.6	1,351	1,140	.83	.70	135	125	14
Middle Atlantic.....	200,608	183,590	7.6	6.9	15,484	13,437	.58	.50	77	73	1,141
New York.....	114,322	104,065	9.0	8.1	5,091	4,886	.40	.38	45	47	1,025
New Jersey.....	26,458	22,840	6.4	5.5	3,152	2,736	.77	.66	119	120	75
Pennsylvania.....	59,826	56,085	6.2	5.8	7,241	5,815	.75	.60	121	104	41
East North Central.....	198,511	173,443	7.7	6.7	46,551	39,420	1.82	1.53	237	227	377
Ohio.....	42,863	29,663	6.4	4.4	13,312	11,176	1.98	1.65	311	377	58
Indiana.....	38,372	36,105	11.8	11.0	7,278	6,322	2.23	1.93	190	175	76
Illinois.....	71,636	65,088	9.3	8.4	13,893	11,745	1.80	1.51	194	180	131
Michigan.....	28,856	28,552	5.9	5.7	9,425	7,821	1.91	1.57	327	274	64
Wisconsin.....	14,784	14,035	5.0	4.7	2,643	2,356	.89	.79	179	168	48
West North Central.....	107,337	99,950	8.0	7.5	22,531	19,443	1.69	1.45	210	195	162
Minnesota.....	19,207	17,346	7.5	6.7	2,807	2,473	1.09	.96	146	143	11
Iowa.....	14,190	8,014	5.7	3.2	4,117	3,353	1.66	1.35	290	418	21
Missouri.....	33,971	35,158	9.3	9.6	8,994	7,887	2.47	2.16	265	224	52
North Dakota.....	3,635	3,600	5.3	5.3	487	370	.71	.54	134	103	8
South Dakota.....	6,995	7,185	10.0	10.3	753	662	1.08	.95	108	92	4
Nebraska.....	11,030	11,757	8.0	8.5	1,531	1,454	1.11	1.05	139	124	46
Kansas.....	18,311	16,890	9.7	8.9	3,842	3,244	2.03	1.71	210	192	20
South Atlantic.....	159,701	149,909	10.0	9.4	14,573	12,397	.91	.77	91	83	228
Delaware.....	1,013	902	4.2	3.8	181	176	.75	.73	179	195	6
Maryland.....	24,703	22,779	15.0	13.8	2,014	1,714	1.22	1.04	82	75	13
Dist. of Columbia.....	5,316	4,947	10.8	10.0	215	140	.44	.28	40	28	48
Virginia.....	25,295	24,626	10.4	10.1	3,130	2,613	1.29	1.07	124	106	19
West Virginia.....	18,173	18,480	10.4	10.5	1,599	1,201	.91	.68	88	65	35
North Carolina.....	13,130	11,614	4.1	3.6	1,525	1,311	.47	.40	116	113	16
South Carolina ²	26,404	25,513	15.1	14.6	---	---	---	---	---	---	29
Georgia.....	28,331	25,747	9.7	8.9	2,346	2,153	.81	.74	83	84	38
Florida.....	17,336	15,301	11.5	10.0	3,563	3,089	2.37	2.02	206	202	24
East South Central.....	101,362	97,530	10.2	9.8	14,098	12,254	1.41	1.22	139	126	31
Kentucky.....	34,132	31,689	13.0	12.0	4,472	3,985	1.70	1.51	131	126	13
Tennessee.....	19,696	18,051	7.5	6.8	4,669	4,191	1.77	1.58	237	232	9
Alabama.....	25,945	25,102	9.7	9.4	2,942	2,166	1.10	.81	113	86	3
Mississippi.....	21,589	22,688	10.7	11.1	2,015	1,912	.99	.94	93	84	6
West South Central.....	119,139	118,933	9.7	9.6	27,786	25,477	2.25	2.05	233	214	297
Arkansas.....	24,537	25,802	13.2	13.8	3,476	3,910	1.87	2.09	142	152	14
Louisiana.....	20,167	19,127	9.5	9.0	1,601	1,404	.75	.66	79	73	19
Oklahoma.....	33,923	33,935	14.0	13.9	6,901	5,991	2.85	2.46	203	177	127
Texas.....	40,512	40,069	6.9	6.7	15,788	14,172	2.67	2.38	390	354	137
Mountain.....	47,948	43,264	12.8	11.5	13,223	11,050	3.55	2.95	276	255	212
Montana.....	5,064	4,970	9.4	9.2	1,253	1,022	2.33	1.90	247	206	25
Idaho.....	2,263	1,526	5.1	3.4	961	806	2.15	1.80	425	528	15
Wyoming.....	1,244	777	5.5	3.4	653	598	2.86	2.61	525	770	9
Colorado.....	9,952	6,614	9.5	6.3	2,209	2,105	2.12	2.01	222	318	71
New Mexico.....	8,380	8,879	19.6	20.6	725	696	1.69	1.61	87	78	15
Arizona.....	7,575	7,642	17.1	17.1	1,125	848	2.54	1.89	149	111	33
Utah.....	5,738	5,768	11.2	11.2	1,037	986	2.03	1.91	181	171	17
Nevada.....	7,630	7,083	82.9	76.2	5,260	3,989	57.17	42.89	689	563	27
Pacific.....	72,770	65,831	8.7	7.7	21,501	19,234	2.56	2.26	295	292	1,357
Washington.....	17,906	15,999	11.3	10.1	3,971	3,434	2.51	2.16	222	215	65
Oregon.....	7,339	6,668	7.6	6.9	2,417	1,703	2.51	1.75	329	255	25
California.....	47,525	43,164	8.1	7.3	15,113	14,097	2.58	2.37	318	327	1,267

¹ Based on estimated population for the given year² No divorces are granted in South Carolina

Source Bureau of the Census, Department of Commerce

4. IMMIGRATION, EMIGRATION, AND NATURALIZATION

In compiling immigration statistics for the United States, Alaska, Hawaii, and Puerto Rico, beginning 1904, 1901, and 1902, respectively, were included. In prior years the transfer of population between them and the United States was considered immigration

No. 86.—IMMIGRATION: 1821 TO 1933

NOTE.—For 1821 to 1867 the figures represent alien passengers arriving; for 1868 to 1903, immigrants arriving; for 1904 to 1909, aliens admitted, for 1907 to date, immigrant aliens admitted. Data are for fiscal years ended June 30 except as noted, for periods they are totals, not annual averages

Period or year	Number	Year	Number	Year	Number	Year	Number
1821-1830 ¹	143, 439	1878	138, 469	1900	448, 572	1922	309, 556
1831-1840 ²	599, 125	1879	177, 826	1901	487, 918	1923	522, 919
1841-1850 ²	1, 713, 251	1880	457, 257	1902	648, 743	1924	706, 856
1851-1860 ²	2, 568, 214	1881	669, 431	1903	857, 046	1925	294, 314
1861-1870 ²	2, 314, 824	1882	788, 992	1904	812, 870	1926	304, 488
1871-1880	2, 812, 191	1883	603, 322	1905	1, 026, 499	1927	335, 175
1881-1890	5, 246, 613	1884	518, 592	1906	1, 100, 735	1928	307, 255
1891-1900	3, 687, 564	1885	395, 346	1907	1, 285, 349	1929	279, 678
1901-1910	8, 795, 356	1886	334, 203	1908	782, 870	1930	241, 700
1911-1920	5, 735, 811	1887	490, 109	1909	751, 786	1931	97, 139
1921-1930	4, 107, 209	1888	546, 889	1910	1, 041, 570	1932	35, 576
1900-1904	3, 255, 149	1889	444, 427	1911	878, 587	1933	23, 068
1905-1909	4, 947, 239	1890	455, 302	1912	838, 172	Calendar years:	
1910-1914	5, 174, 701	1891	560, 319	1913	1, 197, 892		
1915-1919	1, 172, 679	1892	579, 663	1914	1, 218, 480		
1920-1924	2, 774, 600	1893	439, 730	1915	326, 700		
1925-1929	1, 520, 910	1894	285, 631	1916	298, 826		
1873	459, 803	1895	258, 536	1917	205, 403	1928	290, 297
1874	313, 339	1896	343, 267	1918	110, 618	1929	268, 941
1875	227, 498	1897	230, 832	1919	141, 132	1930	180, 251
1876	169, 986	1898	229, 299	1920	430, 001	1931	43, 353
1877	141, 857	1899	311, 715	1921	805, 228	1932	28, 008
						1933	23, 899

¹ Oct 1, 1820, to Sept 30, 1830

² Oct 1, 1830, to Dec. 31, 1840.

³ Calendar years

⁴ Jan 1, 1861, to June 30, 1870.

No. 87.—ADMISSIONS AND DEPARTURES OF ALIENS

Period or year ended—	Admitted			Departed			Excess of admissions over departures ¹	
	Immigrant	Nonimmigrant	Total	Emigrant	Nonemigrant	Total	Immigrant over emigrant	Total
June 30.								
1910-1914, total	5, 174, 701	901, 099	6, 075, 800	1, 442, 892	1, 316, 762	2, 759, 654	3, 731, 809	3, 316, 146
1915-1919, total	1, 172, 679	440, 064	1, 612, 743	618, 223	562, 636	1, 180, 859	554, 456	431, 884
1920-1924, total	2, 774, 600	810, 352	3, 584, 952	892, 984	723, 824	1, 616, 808	1, 881, 616	1, 968, 144
1925-1929, total	1, 520, 910	951, 590	2, 472, 500	389, 746	843, 861	1, 233, 607	1, 131, 164	1, 238, 893
1911	878, 587	151, 713	1, 030, 300	295, 666	222, 549	518, 215	582, 921	512, 085
1912	838, 172	178, 983	1, 017, 155	333, 262	282, 030	615, 292	504, 910	401, 863
1913	1, 197, 892	229, 335	1, 427, 227	308, 190	303, 734	611, 924	889, 702	815, 303
1914	1, 218, 480	184, 601	1, 403, 081	303, 338	330, 467	633, 805	915, 142	769, 276
1915	326, 700	107, 544	434, 244	204, 074	180, 100	384, 174	122, 626	50, 070
1916	298, 826	67, 922	366, 748	129, 765	111, 042	240, 807	169, 061	125, 941
1917	295, 403	67, 474	362, 877	66, 277	80, 102	146, 379	229, 126	216, 498
1918	110, 618	101, 235	211, 853	94, 585	98, 683	193, 268	16, 033	18, 585
1919	141, 132	95, 889	237, 021	128, 622	92, 709	216, 231	17, 610	20, 790
1920	430, 001	191, 575	621, 576	288, 315	139, 747	428, 062	141, 686	193, 514
1921	805, 228	172, 935	978, 163	247, 718	178, 313	426, 031	557, 510	552, 132
1922	309, 556	122, 949	432, 505	198, 712	146, 672	345, 384	110, 844	87, 121
1923	522, 919	150, 487	673, 406	81, 450	119, 136	200, 586	441, 469	472, 820
1924	706, 896	172, 406	879, 302	76, 789	139, 956	216, 745	630, 107	662, 557
1925	294, 314	164, 121	458, 435	92, 728	132, 762	225, 490	201, 586	232, 945
1926	304, 488	191, 618	496, 106	76, 992	150, 763	227, 755	227, 496	268, 351
1927	335, 175	202, 826	538, 001	73, 366	180, 142	253, 508	261, 809	284, 493
1928	307, 255	193, 378	500, 631	77, 457	196, 899	274, 356	229, 798	226, 275
1929	279, 678	199, 649	479, 327	69, 203	183, 295	252, 498	210, 475	226, 829
1930	241, 700	204, 514	446, 214	50, 661	221, 764	272, 425	191, 039	173, 789
1931	97, 139	183, 540	280, 679	61, 582	229, 034	290, 616	35, 257	-10, 237
1932	35, 576	139, 295	174, 871	103, 295	184, 362	287, 657	-67, 719	-112, 786
1933	23, 068	127, 660	150, 728	80, 081	163, 721	243, 802	-57, 013	-93, 074
Dec 31								
1932	25, 008	130, 609	158, 617	97, 517	174, 935	272, 452	-69, 509	-113, 835
1933	23, 899	127, 383	151, 282	51, 690	137, 871	189, 561	-27, 791	-38, 279

¹ Excess of departures indicated by a minus sign.

Source of Tables 86 and 87 Immigration and Naturalization Service, Department of Labor.

No. 88.—IMMIGRANT ALIENS ADMITTED AND ALIENS DEBARRED AND DEPORTED: YEARS ENDED JUNE 30

Period or year	Admitted	Debarred	Deported	Year	Admitted	Debarred	Deported
1900-1904, total..	3,255,149	29,409	2,510	1922-----	309,556	13,731	4,345
1905-1909, total..	4,947,239	58,688	6,709	1923-----	522,919	20,619	3,661
1910-1914, total..	5,174,701	115,655	16,010	1924-----	706,896	30,284	6,409
1915-1919, total..	1,172,679	74,929	11,835	1925-----	294,314	25,390	9,495
1920-1924, total..	2,774,600	90,208	21,694	1926-----	304,488	20,550	10,904
1925-1929, total..	1,520,910	102,661	50,594	1927-----	337,175	19,755	11,662
1916-----	298,826	18,867	2,781	1928-----	307,253	18,839	11,625
1917-----	295,403	16,028	1,853	1929-----	279,678	18,127	12,908
1918-----	110,618	7,297	1,569	1930-----	211,700	8,233	16,631
1919-----	141,132	8,626	3,068	1931-----	97,139	9,744	18,142
1920-----	430,001	11,795	2,762	1932-----	35,576	7,064	19,426
1921-----	805,228	13,779	4,517	1933-----	23,068	6,327	19,865

No. 89.—IMMIGRANT ALIENS ADMITTED: BY OCCUPATION, AMOUNT OF MONEY BROUGHT, ETC., YEARS ENDED JUNE 30

	1910-1914, total	1920-1924, total	1925-1929, total	1930	1931	1932	1933
Reporting occupations—							
Professional-----	62,124	79,309	53,953	9,888	4,773	2,538	1,631
Skilled-----	747,794	510,236	280,107	43,572	13,549	2,831	2,377
Unskilled-----	2,882,435	954,418	505,119	69,758	20,630	3,036	1,872
Farmers-----	56,788	74,973	51,001	8,375	2,713	403	232
Farm laborers-----	1,257,060	111,883	101,120	13,736	3,422	254	194
Common laborers-----	953,421	460,575	194,587	16,147	4,503	1,118	844
Servants-----	604,967	283,109	149,447	29,073	9,740	1,232	550
Other unskilled-----	19,199	13,178	8,944	2,127	222	46	62
Commercial ¹ -----	72,572	59,924	27,535	5,137	2,393	1,133	785
Miscellaneous-----	55,279	95,895	50,108	5,751	2,782	954	850
Bringing—							
Less than \$50-----	3,222,314	954,147	549,471	67,872	25,138	7,742	5,525
\$50 or more-----	674,931	822,386	598,087	122,177	49,981	18,330	11,972
Amount brought (\$1,000)-----	171,406	171,467	111,743	21,877	10,771	4,560	3,277
Passage paid by—							
Self-----	3,460,555	1,569,835	863,541	135,776	50,039	16,557	11,452
Relative-----	1,657,869	1,123,827	632,616	103,099	44,013	17,383	10,843
Others-----	56,277	80,938	24,753	2,825	3,087	1,636	773
Going to join—							
Relative-----	4,169,633	2,132,479	1,140,502	199,841	78,870	28,293	19,359
Friend-----	708,468	277,995	146,595	25,808	10,112	2,529	1,457
No one-----	298,600	364,126	233,513	16,051	7,857	4,754	2,252

¹ Agents, bankers, hotel keepers, manufacturers, and merchants and dealers

No. 90.—IMMIGRANT ALIENS ADMITTED AND EMIGRANT ALIENS DEPARTED, BY SEX AND AGE; AND ILLITERACY OF IMMIGRANTS: YEARS ENDED JUNE 30

	1910-1914, total	1915-1919, total	1920-1924, total	1925-1929, total	1930	1931	1932	1933
Admissions, total-----	5,174,701	1,172,879	2,774,600	1,520,910	241,700	97,139	35,576	23,068
Males-----	3,442,917	688,881	1,577,496	836,091	117,026	40,621	13,917	9,219
Females-----	1,731,784	483,998	1,197,104	684,819	124,674	56,518	21,659	13,849
Males per 1,000 females--	1,988	1,424	1,318	1,221	939	719	643	666
Under 16 years ¹ -----	657,825	195,241	516,293	247,373	40,777	17,320	6,781	4,131
16 to 44 years ¹ -----	4,229,546	853,348	2,003,466	1,135,903	177,059	67,100	22,905	15,033
45 years and over-----	287,330	124,090	254,841	137,634	23,864	12,719	5,890	3,904
Illiterates, number ² -----	1,143,266	116,749	75,231	20,536	2,495	2,334	1,523	871
Per cent-----	22.1	10.0	2.7	1.4	1.0	2.4	4.3	3.8
Departures, total-----	1,442,892	618,223	892,984	389,746	50,661	61,352	103,295	80,081
Males-----	1,163,750	495,643	682,170	278,709	32,565	40,857	66,859	51,852
Females-----	279,142	122,580	210,814	111,037	18,096	21,025	36,436	28,229
Males per 1,000 females--	4,169	4,043	3,236	2,510	1,798	1,913	1,835	1,847
Under 16 years ¹ -----	69,018	38,883	39,280	18,493	3,479	5,241	8,977	5,867
16 to 44 years ¹ -----	1,217,753	482,282	635,980	285,660	34,199	11,640	70,521	54,202
45 years and over-----	156,121	91,058	217,724	85,573	12,983	15,001	23,797	20,012

¹ Prior to 1918 the division point is 14 years.

² Unable to read or write in any language

Source of Tables 88, 89, and 90 Immigration and Naturalization Service, Department of Labor

No. 91.—IMMIGRANT ALIENS ADMITTED AND EMIGRANT ALIENS

NOTE.—Residence for a year or more is regarded as permanent residence. Excess of departures

Country	Fiscal years ended June 30—								
	1910-1914, total			1920-1924, total			1925-1929, total		
	Ad- mitted	De- parted	Excess	Ad- mitted	De- parted	Excess	Ad- mitted	De- parted	Excess
All countries, total.	5,174,701	1,442,892	3,731,809	2,774,600	892,984	1,881,616	1,520,910	389,746	1,131,164
Europe, total.....	4,524,168	1,176,037	3,348,132	1,787,303	758,619	1,028,684	789,407	294,972	494,435
Albania.....				1,250	1,284	1-34	1,072	1,062	10
Austria.....	575,852	181,494	394,358	25,842	4,716	21,126	5,550	2,447	3,103
Hungary.....	553,801	174,362	379,439	25,262	32,110	-6,848	4,237	4,268	-31
Belgium.....	28,450	4,727	23,723	17,936	5,668	12,268	3,575	2,455	1,120
Bulgaria.....	24,821	20,514	4,307	1,914	7,559	-5,645	910	614	296
Czechoslovakia.....				84,245	38,087	46,158	16,937	11,059	5,878
Denmark.....	33,470	2,804	30,666	21,910	4,110	17,800	12,496	2,815	9,681
Estonia.....				1,765	1,111	1,754	679	81	598
Finland.....				14,624	5,794	8,830	2,298	2,570	-272
France.....	43,004	17,003	26,001	33,484	12,816	20,668	21,358	7,677	13,681
Germany.....	161,195	27,938	133,257	149,103	15,401	133,702	237,531	25,277	212,254
Greece.....	132,212	70,708	61,504	52,144	51,481	663	8,630	19,065	-10,435
Irish Free State ¹							120,188	5,388	114,800
Italy.....	1,104,838	405,723	699,110	460,644	236,985	223,659	67,489	94,525	-27,036
Latvia.....				11,473	167	11,406	1,556	202	1,354
Lithuania.....				12,369	1,335	12,034	3,034	1,809	1,225
Netherlands.....	35,734	2,777	32,957	20,603	3,553	17,050	8,794	2,558	6,236
Norway.....	57,079	9,245	47,834	40,891	8,756	32,135	29,435	8,287	21,149
Poland.....				183,881	102,376	81,505	39,435	14,566	24,869
Portugal.....	51,902	8,477	43,425	41,770	21,749	20,021	3,059	12,150	-9,091
Rumania.....	12,851	2,331	10,520	61,083	30,863	24,220	6,727	5,805	922
Russia.....	1,054,608	153,470	901,138	54,692	26,575	28,117	6,912	1,699	5,213
Spain.....	28,631	8,723	19,908	45,077	20,124	24,953	2,032	11,767	-9,735
Sweden.....	89,215	9,340	79,875	57,883	9,934	47,949	42,119	5,645	36,474
Switzerland.....	18,811	2,817	15,994	21,480	3,825	17,655	10,292	2,853	7,439
Turkey in Europe.....	69,651	19,939	49,712	16,208	2,671	12,537	1,162	203	959
United Kingdom ²	445,940	53,555	392,386	301,471	48,307	253,164	122,747	37,613	85,134
England.....	218,767	29,939	188,828	122,575	32,238	90,337	49,832	28,693	21,139
Ireland.....	137,410	13,346	124,064	81,456	10,472	70,984	5,093	811	4,282
Scotland.....	78,391	9,465	68,926	90,809	5,122	85,687	61,627	7,880	53,747
Wales.....	11,372	805	10,567	6,631	475	6,156	6,195	229	5,966
Yugoslavia.....				43,487	55,296	-11,809	5,728	10,182	-4,454
Other Europe.....	2,109	90	2,019	7,812	3,166	4,646	3,424	300	3,124
Asia, total.....	132,041	32,749	99,292	92,572	49,678	42,894	17,798	27,478	-9,680
China.....	9,800	12,157	-2,357	22,723	22,477	246	7,925	18,570	-10,645
Japan.....	30,564	10,692	19,872	38,636	18,016	20,620	3,421	5,655	-2,234
India.....	2,795	747	2,048	1,611	1,044	567	465	674	-209
Syria, Palestine, and Iraq.....				12,946	1,492	12,454	4,530	1,725	2,805
Turkey in Asia.....	83,900	8,560	75,340	23,769	6,980	16,789	235	440	-205
Other Asia.....	4,982	593	4,389	2,887	669	2,218	1,222	414	808
America, total.....	508,682	229,928	278,754	883,989	81,042	802,947	708,219	64,293	643,926
Canada and Newfoundland.....	329,316	195,872	133,444	526,853	22,980	503,873	422,433	13,655	408,778
Central America.....	6,423	1,984	4,439	8,559	3,377	5,182	7,652	3,442	4,210
Mexico.....	88,358	4,146	84,212	255,774	23,182	232,592	243,171	20,261	222,910
South America.....	18,306	6,318	11,988	25,802	7,331	18,471	17,223	7,419	9,804
West Indies.....	64,023	21,427	42,596	65,771	24,068	41,703	17,711	19,515	-1,804
Other America.....	256	181	75	930	104	826	29	1	28
Africa.....	5,985	1,161	4,824	3,917	672	3,245	2,445	701	1,744
Australia, Tasmania, New Zealand.....	5,341	2,854	2,487	6,458	2,804	3,654	2,881	2,188	693
Pacific Islands, not specified.....	483	163	20	361	169	192	160	114	46

¹ Figures for 1924 only. Data for prior years included with countries to which they formerly belonged² Included with United Kingdom prior to 1925.

DEPARTED: BY COUNTRY OF LAST OR FUTURE PERMANENT RESIDENCE

indicated by minus sign (—) For totals for period 1915-1919, see Statistical Abstract, 1929, p. 96

Fiscal year ended June 30—								Calendar year		Country
1930		1931		1932		1933		1933		
Ad- mitted	De- parted	Ad- mitted	De- parted	Ad- mitted	De- parted	Ad- mitted	De- parted	Ad- mitted	De- parted	
241,700	50,661	97,139	61,882	35,576	103,295	23,068	80,081	23,899	51,690	All countries, total
147,438	29,538	61,909	33,135	20,579	52,101	12,383	47,691	13,056	31,079	Europe, total.
341	33	222	23	245	122	129	105	114	64	Albania.
1,744	301	738	270	301	452	228	348	212	213	Austria
1,265	550	887	512	446	783	285	469	256	335	Hungary.
909	489	551	623	229	676	133	554	113	427	Belgium
211	84	200	96	65	157	23	153	34	110	Bulgaria
4,438	1,166	2,016	1,331	494	1,862	294	1,122	416	667	Czechoslovakia.
1,161	305	555	513	262	582	166	333	115	256	Denmark.
132	27	104	49	32	74	18	58	34	51	Estonia.
525	274	327	547	100	764	108	579	142	391	Finland.
3,713	1,978	1,830	1,978	851	2,572	571	1,702	581	1,333	France
26,569	4,639	10,401	3,369	2,670	5,533	1,919	5,131	2,568	4,068	Germany.
2,291	733	1,763	733	377	1,406	532	1,277	331	787	Greece
17,971	1,242	6,121	1,556	441	2,457	265	2,804	305	1,767	Irish Free State.
22,327	2,654	13,399	2,410	6,662	4,866	3,477	6,270	3,586	4,309	Italy.
370	33	227	115	69	61	50	41	45	35	Latvia
612	169	403	349	191	411	118	330	117	145	Lithuania.
2,738	476	1,143	612	231	780	174	628	138	400	Netherlands
2,649	1,085	1,280	1,437	348	1,686	202	1,602	199	1,176	Norway
9,231	1,979	3,604	2,119	1,296	2,408	1,332	1,675	1,066	848	Poland
637	255	542	204	248	1,003	90	2,166	108	571	Portugal.
1,726	508	933	504	465	768	247	530	193	394	Rumania.
1,133	256	335	433	244	1,524	164	515	236	312	Russia.
670	1,231	476	1,667	445	2,998	198	2,815	221	1,493	Spain.
3,109	1,113	1,298	1,583	328	2,930	142	1,822	173	1,075	Sweden
1,689	465	864	411	235	778	163	537	157	409	Switzerland.
222	5	59	-----	62	5	82	7	68	1	Turk. in Europe.
36,489	6,070	10,294	8,215	2,155	12,321	1,051	12,792	1,108	8,554	U. Kingdom. ¹
12,884	4,055	4,825	4,588	1,374	7,019	712	7,100	684	4,809	England.
5,474	321	1,184	552	98	621	72	649	99	476	Ireland.
16,692	1,589	3,895	2,860	633	4,370	228	4,739	299	2,967	Scotland
1,439	106	390	215	50	311	39	304	26	242	Wales
1,737	1,302	859	1,317	508	1,814	174	1,048	144	694	Yugoslavia.
829	116	478	137	70	308	47	278	76	195	Other Europe.
4,535	4,792	3,345	4,405	1,931	4,918	552	5,550	534	4,087	Asia, total.
1,589	3,471	1,150	3,375	750	3,384	148	3,551	141	2,575	China
837	1,035	853	699	526	813	75	1,074	75	889	Japan
110	121	123	111	87	169	44	223	31	176	India.
1,199	81	630	110	439	255	220	314	217	256	Syria, Palestine, and Iraq
105	19	139	20	43	55	27	82	35	55	Turkey in Asia.
695	65	650	90	86	242	38	306	35	137	Other Asia
88,104	15,773	30,816	23,943	12,577	45,784	9,925	26,408	10,094	16,127	America, total
65,254	3,229	22,183	2,895	8,003	2,181	6,187	1,827	6,742	1,704	Canada and Newfoundland
1,618	869	1,107	854	672	856	507	776	452	672	Central America
12,703	6,355	3,333	14,442	2,171	37,074	1,936	19,110	1,743	9,735	Mexico
3,302	1,742	1,695	2,010	702	2,209	433	1,695	350	1,347	South America
5,225	3,577	2,496	3,742	1,029	3,463	862	2,995	804	2,666	West Indies
2	1	2	-----	-----	1	-----	5	3	3	Other America
572	180	417	160	186	221	71	209	92	194	Africa.
1,026	358	616	223	291	235	122	204	103	182	Australia, Tas- mania, New Zea- land
25	20	36	16	12	36	15	19	20	21	Pacific Islands, not specified.

¹ Figures include Irish Free State prior to 1925, beginning 1925 figures shown under Ireland are for Northern Ireland only.

Source Immigration and Naturalization Service, Department of Labor.

No. 92.—IMMIGRANT ALIENS ADMITTED AND EMIGRANT ALIENS

NOTE.—Excess of departures indicated by minus sign (—) For percentage distribution of

Race or people	Fiscal years ended June 30—								
	1910-1914, total			1920-1924, total			1925-1929, total		
	Ad- mitted	De- parted	Excess	Ad- mitted	De- parted	Excess	Ad- mitted	De- parted	Excess
Total	5,174,701	1,442,892	3,731,809	2,774,600	892,984	1,881,616	1,520,910	389,746	1,131,164
African (black)	33,527	6,603	26,924	43,092	8,239	34,853	4,850	4,043	807
Armenian	30,960	4,164	26,796	20,559	1,571	18,988	4,291	314	3,977
Bohemian and Mo- ravian (Czech)	47,143	5,182	41,961	17,650	8,072	9,578	9,408	7,955	1,453
Bulgarian, Serbian, Montenegrin	60,180	35,846	24,334	14,509	43,069	-28,560	2,766	7,751	-4,985
Chinese	9,061	11,957	-2,896	19,374	21,884	-2,510	6,149	18,049	-11,900
Croatian and Slo- venian	162,693	59,480	103,213	23,611	15,398	8,213	4,046	2,320	1,726
Cuban	17,038	7,964	9,074	6,490	5,278	1,212	8,506	6,002	2,504
Dalmatian, Bos- nian, Herzegovin- ian	22,652	4,021	18,631	2,166	3,375	-1,209	409	2,100	-1,691
Dutch and Flemish	64,882	9,097	55,785	42,936	9,820	33,116	15,299	5,421	9,878
East Indian	2,824	675	2,149	1,046	779	267	240	416	-176
English	267,713	48,262	219,451	297,885	47,433	250,452	198,394	42,232	156,162
Finnish	57,717	15,637	42,080	15,311	6,037	9,274	3,045	2,747	298
French	96,439	18,567	77,872	148,132	17,527	130,605	99,710	7,835	91,775
German	363,930	67,420	296,510	223,894	20,712	203,182	279,265	29,845	249,420
Greek	192,247	76,093	116,154	59,076	51,833	7,243	10,883	19,305	-8,422
Hebrew	495,459	33,031	462,428	286,500	2,344	284,216	56,160	1,298	54,862
Irish	183,471	19,005	164,466	149,781	12,747	137,034	198,977	7,397	191,580
Italian (north)	174,871	64,304	110,567	67,105	32,296	34,809	11,191	15,298	-4,107
Italian (south)	971,366	352,486	618,880	401,834	205,941	195,893	61,831	79,690	-17,859
Japanese	30,788	10,756	20,032	37,304	17,907	19,397	3,178	5,505	-2,327
Korean	276	320	-44	447	179	268	196	181	15
Lithuanian	100,050	17,181	82,869	6,672	11,322	-4,650	2,006	1,918	88
Magyar	146,045	72,833	73,212	30,034	33,460	-3,426	5,464	4,883	581
Mexican	82,588	3,434	79,154	249,248	22,058	227,190	238,527	19,852	218,675
Pacific Islander	88	12	76	63	16	47	19	21	-2
Polish	581,979	145,735	436,244	62,603	99,471	-36,868	18,347	14,603	3,744
Portuguese	47,742	7,472	40,270	42,591	22,241	20,350	4,053	12,396	-8,343
Rumanian	65,360	19,881	45,479	11,467	36,495	-25,028	2,150	5,443	-3,293
Russian	155,002	51,904	103,098	21,628	17,472	4,156	6,013	3,168	2,845
Ruthenian	134,911	21,454	113,457	5,438	1,687	3,751	2,560	245	2,315
Scandinavian (Nor- wegians, Danes, and Swedes)	204,287	40,812	163,475	137,719	25,205	112,514	96,891	18,190	78,701
Scottish	110,820	16,572	94,248	161,379	8,673	152,706	125,448	10,342	115,106
Slovak	132,165	58,983	73,182	56,625	33,506	23,119	6,811	3,361	3,450
Spanish	43,081	13,805	29,276	60,110	24,810	35,300	4,269	14,557	-10,288
Spanish-American	6,302	2,103	4,199	13,760	6,430	7,330	14,802	7,993	6,809
Syrian	35,519	5,219	30,300	12,288	5,737	6,551	2,867	1,250	1,617
Turkish	8,245	6,244	2,001	1,125	2,746	-1,621	666	697	-31
Welsh	12,109	1,444	10,665	8,423	659	7,764	7,163	422	6,741
West Indian (other than Cuban)	5,990	2,523	3,467	7,753	3,418	4,335	1,853	3,406	-1,553
Other peoples	17,181	104,411	-87,230	6,912	5,137	1,775	2,197	1,295	902

1 Includes 99,042 whose race was not specified.

DEPARTED WITH EXCESS OF ADMISSIONS OR DEPARTURES: BY RACE

immigrants, see Table 94 For totals for period 1915-1919, see Statistical Abstract, 1929, p. 98

Fiscal year ended June 30—													Calendar year 1933	
1930		1931		1932		1933							Admitted	De-parted
Admit- ted	De- parted	Ad- mitted	De- parted	Ad- mitted	De- parted	Admitted			Departed					
						Total	Male	Fe- male	Total	Male	Fe- male			
241,700	50,661	97,139	61,882	35,576	103,295	23,068	9,219	13,849	80,081	51,852	28,229	23,899	51,690	
1,806	776	884	737	183	811	81	32	52	1,058	507	551	193	701	
790	57	519	40	316	45	231	53	198	47	29	18	247	36	
653	574	266	792	110	676	66	28	38	264	178	86	87	184	
744	846	429	927	181	954	92	31	61	582	470	112	94	394	
970	3,404	748	3,333	515	3,311	44		41	3,500	3,179	321	28	2,507	
1,314	280	668	382	299	781	117	47	70	367	280	87	98	224	
2,122	1,274	717	1,363	409	1,227	337	208	129	880	575	305	240	1,106	
108	119	69	119	31	238	20	8	12	140	93	47	14	105	
4,713	998	2,001	1,238	497	1,433	320	163	157	1,178	692	486	324	816	
51	65	65	95	50	166	1		1	199	191	8		162	
34,960	6,461	12,703	6,582	4,491	8,478	2,943	1,136	1,807	8,269	4,365	3,874	2,926	5,956	
556	331	310	694	133	1,227	137	52	85	731	410	311	176	472	
13,771	1,945	4,908	2,040	1,873	2,646	1,393	439	934	1,706	909	797	1,616	1,379	
34,415	5,732	13,813	4,379	3,902	6,953	2,726	1,033	1,693	6,152	3,257	2,895	2,923	4,879	
3,793	785	2,663	816	1,105	1,607	687	154	533	1,402	1,199	203	651	868	
11,526	299	5,692	319	2,755	452	2,372	1,155	1,217	384	237	147	2,658	346	
34,947	1,940	10,514	2,379	1,570	3,509	1,258	449	809	3,812	2,187	1,625	1,337	2,592	
2,822	755	1,731	389	1,118	666	621	248	373	889	666	223	612	694	
20,494	2,206	12,239	2,391	5,697	4,705	3,017	1,163	1,854	5,793	4,630	1,163	3,193	3,949	
796	1,004	626	606	503	781	60	37	23	1,041	780	261	53	859	
27	33	21	28	19	25	2	1	1	49	43	6	6	38	
426	194	320	348	171	420	124	28	96	316	209	137	113	154	
1,542	668	999	562	441	808	321	148	173	532	315	217	310	391	
11,915	6,296	2,627	14,406	1,074	36,992	1,514	645	869	18,977	12,032	6,945	1,398	9,602	
7	6	3			6				5	5			6	
4,924	1,924	2,008	2,101	639	2,375	516	221	295	1,627	1,076	551	412	811	
780	336	626	307	265	1,105	94	42	52	2,174	1,645	529	107	634	
432	429	245	470	112	668	96	49	47	404	314	150	86	355	
1,634	472	967	532	448	970	278	112	166	444	274	170	309	344	
473	12	158	24	90	70	70	24	46	52	39	13	73	22	
8,478	2,775	3,947	3,761	1,206	5,403	669	325	344	3,958	2,456	1,502	661	2,692	
28,117	2,210	7,618	3,435	1,902	4,724	1,096	387	709	5,168	2,898	2,270	1,257	3,312	
3,214	758	1,474	576	336	1,438	180	88	101	1,102	815	287	280	603	
1,169	1,776	734	2,214	621	3,606	313	186	157	3,204	2,692	512	354	1,706	
3,237	1,741	1,848	2,023	1,043	2,097	690	310	380	1,733	1,022	711	575	1,475	
637	81	344	70	284	164	203	83	120	178	100	78	219	115	
175	26	75	28	60	84	45	10	35	95	80	15	57	64	
2,043	180	550	257	104	389	68	28	40	381	223	158	77	290	
600	737	428	852	128	836	73	28	45	742	323	419	94	587	
526	155	279	174	242	449	131	48	83	436	397	39	131	260	

Source Immigration and Naturalization Service, Department of Labor.

No. 93.—IMMIGRATION, BY COUNTRY OF LAST PERMANENT RESIDENCE, 1841 TO 1930

NOTE.—For 1841 to 1867 figures represent alien passengers arriving; for 1868 to 1903, immigrants arriving, for 1904 to 1906, aliens admitted; thereafter, immigrant aliens admitted. Owing to changes in the lists of countries separately reported and to changes in boundaries, data for certain countries are not comparable throughout. Countries added to the list since the beginning of the World War were theretofore included with the countries to which they belonged. Data are totals (not annual averages) for periods ended June 30 since 1870, Dec 31 theretofore, except as noted.

Country	1841-1850	1851-1860	1861-1870 ¹	1871-1880	1881-1890	1891-1900	1901-1910	1911-1920	1921-1930
Grand total.....	1,713,251	2,598,214	2,314,824	2,812,191	5,242,813	3,687,564	8,795,386	5,735,811	4,107,209
Total Europe.....	1,597,501	2,459,680	2,065,270	2,272,262	4,737,046	3,558,978	8,136,016	4,376,564	2,477,853
Austria.....			7,800	72,969	353,719	592,707	2,145,266	453,649	32,868
Hungary.....								442,693	30,680
Belgium.....	5,074	4,738	6,734	7,221	20,177	18,167	41,635	33,746	15,846
Bulgaria ²						160	39,280	22,533	2,945
Czechoslovakia.....								3,426	102,194
Denmark.....	539	3,749	17,094	31,771	88,132	50,231	65,285	41,983	32,430
Finland.....								756	16,691
France.....	77,262	76,358	35,986	72,206	50,464	30,770	73,379	61,897	49,610
Germany.....	434,626	951,667	787,468	718,182	1,452,970	505,152	341,498	143,945	412,202
Greece.....	16	31	72	210	2,308	15,979	167,519	184,201	51,084
Italy.....	1,870	9,231	11,725	55,759	307,309	651,893	2,045,877	1,109,524	455,315
Netherlands.....	8,251	10,789	9,102	16,541	53,701	26,758	48,262	43,718	26,948
Norway.....	13,903	20,931	109,298	95,323	176,586	95,015	190,505	66,895	68,531
Sweden.....				115,822	391,776	226,266	249,534	95,074	97,249
Poland ³	105	1,164	2,027	12,970	51,306	96,720		4,813	227,734
Rumania.....				11	6,348	12,750	53,008	13,311	67,646
Russia.....	551	457	2,512	39,284	213,282	505,290	1,597,306	921,201	61,742
Spain.....	2,209	9,298	6,697	5,266	4,419	8,731	27,935	68,611	28,958
Portugal.....	550	1,055	2,658	14,082	16,978	27,508	69,149	89,732	29,994
Switzerland.....	4,644	25,011	23,286	28,293	81,988	31,179	34,922	23,091	29,676
Turkey in Europe.....	59	83	129	337	1,562	3,626	79,976	54,677	14,659
United Kingdom.....	1,047,763	1,338,093	1,042,674	984,914	1,462,839	659,954	865,015	487,589	550,804
England.....	32,092	247,125	222,277	437,706	644,680	216,726	388,017	249,944	157,420
Ireland.....	780,719	914,119	435,778	436,871	655,482	388,416	339,065	146,181	220,591
Scotland.....	3,712	38,331	38,769	87,564	149,869	44,188	120,469	78,357	159,781
Wales.....	1,261	6,319	4,313	6,631	12,640	10,557	17,464	13,107	13,012
Not specified.....	229,979	132,199	341,537	16,142	168	67			
Yugoslavia.....								1,888	49,064
Other Europe.....	79	5	8	1,001	682	122	665	8,111	22,983
Total Asia ⁴	82	41,455	64,630	123,823	68,380	71,236	243,567	192,559	97,400
China ⁵	35	41,397	64,301	123,201	61,711	14,799	20,605	21,278	29,907
Japan ⁶			186	149	2,270	25,942	129,797	83,837	33,462
Turkey in Asia ⁶			2	67	2,220	26,799	77,393	79,389	19,165
Other Asia ⁴	47	58	141	406	2,179	3,696	15,772	8,055	14,866
Total America ⁷	62,469	74,720	166,607	404,044	426,987	38,972	361,888	1,148,671	1,516,716
Canada and Newfoundland.....	41,723	59,309	153,878	383,640	393,304	3,311	179,226	742,185	924,515
Mexico ⁸	3,271	3,078	2,191	5,162	1,913	971	49,642	219,004	459,287
Central America ⁸	368	449	95	157	404	549	8,192	17,159	15,769
South America ⁸	3,679	1,224	1,397	1,128	2,304	1,075	17,280	41,899	42,215
West Indies ⁸	13,528	10,660	9,046	13,957	29,042	33,066	107,648	123,424	74,899
Other America.....									31
Africa ⁸	55	210	312	358	857	350	7,368	8,443	6,286
Australia, Tasmania, and New Zealand.....			36	9,886	7,017	2,740	11,975	12,348	8,299
Pacific Islands (not specified).....				1,028	5,557	1,225	1,049	1,079	427
All other countries.....	53,144	29,169	17,969	790	789	14,063	33,523	1,147	228

¹ Jan. 1, 1861, to June 30, 1870³ Includes Serbia and Montenegro prior to 1920² From 1899 to 1919 Poland is included with Austria-Hungary, Germany, and Russia⁴ Includes Irish Free State⁶ Included in "All other countries" in 1892⁵ Included in "All other countries" in 1892; in "Other Asia" in 1893 and 1894.⁷ Immigrants from Canada, Newfoundland, and Mexico not reported from 1886 to 1893, inclusive.⁸ Included in "All other countries" in 1892 and 1893

No. 94.—IMMIGRANT ALIENS ADMITTED: PERCENTAGES, BY RACE OR PEOPLE, YEARS ENDED JUNE 30

Race or people	1910-1914	1920-1924	1925-1929	1932	1933	Race or people	1910-1914	1920-1924	1925-1929	1932	1933
Total.....	100 0	100.0	100 0	100 0	100.0	Irish.....	3 5	5 4	13.1	4 4	5 4
African (black).....	.6	1.6	.3	.5	.4	Italian (north).....	3 4	2 4	.7	3 1	2 7
Armenian.....	.6	.7	.3	.9	1 1	Italian (south).....	18 8	14 5	4.1	16 0	13 1
Bohemian and Moravian (Czech).....	.9	.6	.6	3	3	Japanese.....	.6	1.3	.2	1 4	3
Bulgarian, Serbian, Montenegrin.....	1 2	.5	.2	5	4	Korean.....	.1	.2	.1	(1)	(1)
Chinese.....	.2	.7	.4	1 5	.2	Lithuanian.....	1 9	.2	(1)	.5	5
Croatian and Slovenian.....	3 1	.9	.3	.8	5	Magyar.....	2 8	1 1	.4	1 2	1 4
Cuban.....	.3	.2	.6	1 2	1 5	Mexican.....	1 6	9 0	15.7	4 7	6 6
Dalmatian, Bosnian, Herzegovinian.....	.4	.1	(1)	1	.1	Polish.....	11 2	2 3	1.2	1 8	2 2
Dutch and Flemish.....	1 3	1 5	1.0	1 4	1 4	Portuguese.....	.9	1 5	.3	7	4
East Indian.....	1 (1)	(1)	(1)	1 (1)	(1)	Rumanian.....	1 3	.4	.1	.3	4
English.....	5 2	10 7	13 0	12 6	12 7	Russian.....	3 0	.8	.4	1 3	1 2
Finnish.....	1 1	.6	.2	4	6	Ruthenian.....	2 6	.2	.2	3	.3
French.....	1 9	5 3	6.6	5 3	6 0	Scandinavian ²	3 9	5 0	6 4	3 4	2 9
German.....	7 0	8 1	18 4	11 0	11 8	Scotch.....	2 1	5 8	8 2	5 4	4 7
Greek.....	3 7	2 1	.7	3 1	3 0	Slovak.....	2 6	2 0	.4	9	8
Hebrew.....	9 6	10 3	3 7	7 7	10 3	Spanish.....	.8	2 2	.3	1 8	1 5
						Spanish-American.....	.1	.5	1.0	2 9	3 0
						Syrian.....	.7	(1)	(1)	8	9
						Turkish.....	.2	(1)	(1)	2	.2
						Welsh.....	.2	.3	.5	3	.3
						West Indian (other than Cuban).....	.1	.3	.1	4	.3
						Other peoples.....	3	.2	.1	7	6

¹ Less than one-tenth of 1 per cent.² Norwegians, Danes, and Swedes

No. 95.—QUOTA AND NONQUOTA IMMIGRANTS ADMITTED: BY COUNTRY OR REGION OF BIRTH, YEAR ENDED JUNE 30, 1933

NOTE—See headnote Table 96

Country	Quota immigrants	Nonquota immigrants			Country	Quota immigrants	Nonquota immigrants		
		From non-quota countries ¹	Returning residents	Other exempt classes			From non-quota countries ¹	Returning residents	Other exempt classes
All countries.....	8, 220	7, 549	62, 610	8, 051	Europe—Contd.				
Europe, total.....	7, 634	66	53, 172	7, 133	United Kingdom—Con.				
Albania.....	75	-----	115	62	Scotland.....	266	3	4, 429	133
Austria.....	121	1	415	100	Wales.....	44	-----	374	17
Belgium.....	59	-----	334	56	Yugoslavia.....	105	-----	449	109
Bulgaria.....	11	-----	26	18	Other Europe.....	94	-----	233	53
Czechoslovakia.....	171	1	1, 107	225	America, total.....	67	7, 479	4, 923	145
Denmark.....	123	-----	678	62	Canada and Newfoundland.....	-----	4, 651	1, 437	45
Finland.....	72	-----	647	62	Mexico.....	-----	1, 608	856	3
France.....	257	3	2, 296	131	West Indies.....	52	427	2, 256	76
Germany.....	1, 324	5	12, 306	657	Central and South America.....	15	792	567	21
Greece.....	108	-----	520	347	Other America.....	-----	1	7	-----
Hungary.....	187	-----	358	137	Asia, total.....	392	1	4, 227	675
Irish Free State.....	282	-----	7, 706	113	China.....	19	-----	1, 177	189
Italy.....	1, 108	15	5, 051	2, 433	India.....	21	-----	61	55
Lithuania.....	93	-----	284	101	Japan.....	6	-----	2, 700	122
Netherlands.....	128	-----	579	57	Palestine.....	12	-----	51	14
Norway.....	141	-----	1, 558	96	Syria.....	90	-----	90	101
Poland.....	961	2	1, 550	896	Turkey in Asia.....	187	-----	90	172
Portugal ²	69	1	711	16	Other Asia.....	57	-----	58	22
Rumania.....	236	-----	278	184	Africa.....	35	-----	86	41
Russia.....	309	1	506	242	Australia and New Zealand.....	87	3	181	50
Spain.....	164	5	1, 161	179	Other countries.....	5	-----	21	7
Sweden.....	105	-----	2, 211	74					
Switzerland.....	122	-----	739	58					
Turkey in Europe.....	34	-----	32	45					
United Kingdom.....	772	27	5, 364	419					
England.....	89	2	1, 175	46					
N Ireland.....	-----	-----	-----	-----					

¹ Admitted as natives of nonquota countries and as their wives and unmarried children born in quota countries² Including Azores, Cape Verde, and Madeira Islands

Source of Tables 94 and 95 Immigration and Naturalization Service, Department of Labor

No. 96.—IMMIGRATION QUOTAS ALLOTTED, AND QUOTA ALIENS ADMITTED: BY COUNTRY OR REGION OF BIRTH, YEARS ENDED JUNE 30

NOTE.—The immigration act of 1921 limited the number of aliens admitted annually of any nationality subject to the quota law, to 3 per cent of the number of foreign-born persons of such nationality resident in continental United States as determined by the Census of 1910, the population plan of the act of 1924, to 2 per cent according to the Census of 1890. The national origins clause of the latter act, which became effective July 1, 1929, provided that the quota of any nationality should be computed by applying to 150,000 the ratio between the calculated number of inhabitants in continental United States in 1920 owing their origin to the nationality concerned and the total inhabitants in the United States of all nationalities subject to the quota law. (For estimates of white population by countries of origin, calculated as a basis for immigration quotas, see Table 97, Statistical Abstract, 1932.) Under the act of 1924, the minimum quota is 100. Both immigrant and nonimmigrant aliens may appear in quota law statistics, or aliens of both classes may not be counted against quotas at all.

Country or region	Under immigration act of 1921		Under immigration act of 1924						
	Annual quota ¹	Admitted, 1922-1924, total ²	Annual quota, 1925-1929	Admitted, 1925-1929, total	Annual quota 1930 to 1933 ³	Admitted			
						1930	1931	1932	1933
All countries...	357, 803	937, 075	164, 667	761, 622	153, 831	141, 497	54, 118	12, 983	8, 220
Europe.....	356, 061	929, 670	161, 422	749, 911	150, 508	137, 016	51, 153	12, 022	7, 634
Albania.....	288	856	100	472	100	110	81	102	75
Austria.....	7, 342	19, 497	785	4, 213	1, 413	1, 417	524	187	121
Belgium.....	1, 563	4, 707	512	2, 652	1, 304	1, 118	524	117	59
Bulgaria.....	302	898	100	509	100	95	52	11	11
Czechoslovakia.....	14, 357	42, 962	3, 073	14, 668	2, 874	2, 898	1, 448	304	171
Danzig, Free City of.....	301	649	228	1, 065	100	112	52	6	10
Denmark.....	5, 619	14, 129	2, 759	13, 114	1, 181	1, 144	516	209	123
Estonia.....	1, 348	1, 465	124	612	116	112	71	15	17
Finland.....	3, 921	10, 880	471	2, 363	569	559	300	69	72
France.....	5, 729	15, 106	3, 954	17, 730	3, 086	2, 812	1, 226	288	257
Germany.....	67, 607	135, 918	51, 227	242, 363	25, 957	27, 119	10, 100	2, 086	1, 324
Greece.....	3, 063	9, 804	100	737	307	362	308	141	108
Hungary.....	5, 747	17, 420	473	2, 445	869	864	624	329	187
Irish Free State ⁴	12, 057	126, 263	28, 567	132, 715	17, 853	19, 692	6, 780	452	282
Italy.....	12, 057	126, 263	3, 845	18, 383	5, 802	5, 610	4, 245	2, 012	1, 109
Latvia.....	1, 540	3, 053	142	754	236	202	138	43	29
Lithuania.....	2, 629	5, 089	344	1, 828	386	398	305	181	96
Luxemburg.....	92	277	100	495	100	96	41	7	4
Netherlands.....	3, 607	9, 622	1, 648	7, 708	3, 153	2, 788	1, 142	185	128
Norway.....	12, 202	30, 345	6, 453	30, 335	2, 377	2, 546	1, 156	260	141
Poland.....	30, 977	86, 836	5, 932	20, 000	6, 524	6, 456	2, 841	917	961
Portugal.....	2, 465	7, 416	503	2, 449	440	433	433	201	69
Rumania.....	7, 419	22, 267	603	3, 783	295	670	497	318	236
Russia.....	24, 405	77, 718	2, 245	10, 018	2, 701	2, 231	1, 537	528	309
Spain.....	912	2, 712	131	806	252	332	263	191	164
Sweden.....	20, 042	48, 675	9, 561	44, 849	3, 314	3, 204	1, 247	290	105
Switzerland.....	3, 752	11, 227	2, 081	9, 683	1, 707	1, 605	797	122	122
Turkey.....	2, 654	6, 138	100	431	226	65	33	34	34
United Kingdom ⁵	77, 342	197, 354	34, 007	118, 660	65, 721	50, 275	12, 934	2, 099	1, 171
Yugoslavia.....	6, 426	19, 496	671	3, 081	845	782	523	252	105
Other Europe.....	353	891	500	1, 991	600	609	648	657	634
Asia.....	1, 261	5, 881	51, 424	64, 927	51, 523	51, 500	61, 344	6530	6392
Africa.....	122	439	51, 200	61, 667	51, 200	62, 150	6330	6231	699
Australia, New Zealand, and Pacific islands.....	359	1, 055	621	61, 470	600	6284	6246	6182	692
Western Hemisphere.....	-----	-----	(9)	63, 647	(9)	61, 717	61, 144	6150	667

¹ Quota for 1924, revisions from 1922 or 1923 allotments for certain countries were made due to changes in boundaries or other adjustments.

² Admissions from certain countries in excess of quota occurred in 1922 in cases involving unusual hardship.

³ The total quota for 1930 and 1931 was 153,714. In 1932, there was a decrease in Russia's quota from 2,784 to 2,701 and new allotments of 100 each for Bessarabia and Hejaz and Nejd.

⁴ All Ireland included with United Kingdom prior to 1925; thereafter, Northern Ireland only.

⁵ Annual quotas for colonies, dependencies, or protectorates in "Other Europe." Asia, Africa, Pacific Islands, and America are included in the annual quotas of the European countries to which they belong.

⁶ Includes quota immigrants born in colonies, dependencies, or protectorates of European countries.

Source. Immigration and Naturalization Service, Department of Labor.

No. 97.—ALIENS DEPORTED FROM THE UNITED STATES: YEARS ENDED JUNE 30

NOTE.—In addition to the 19,865 aliens formally deported in 1933, 10,347 aliens subject to deportation were permitted to leave the country, either without the institution of deportation proceedings or before their conclusion, and 1,645 indigent aliens were returned to their native land at their own request

	1931	1932	1933		1931	1932	1933
Total.....	18, 142	19, 426	19, 865	Destined to—Contd.			
Destined to Europe.....	6, 162	6, 530	5, 904	Other America.....	266	302	287
Austria.....	46	55	34	China.....	402	2, 379	2, 642
Belgium.....	86	80	76	Japan.....	123	160	234
Czechoslovakia.....	351	304	217	Other countries.....	266	336	476
Denmark.....	172	135	91	Race or people			
Finland.....	174	161	139	African (black).....	213	271	285
France.....	75	70	47	Chinese.....	398	2, 380	2, 573
Germany.....	736	596	545	Dutch and Flemish.....	243	202	205
Great Britain.....	898	863	811	English.....	1, 195	1, 243	1, 078
Greece.....	203	364	400	French.....	585	587	554
Hungary.....	113	87	68	German.....	1, 156	935	806
Ireland.....	245	236	247	Irish.....	635	671	699
Italy.....	645	996	1, 043	Italian.....	724	1, 055	1, 145
Netherlands.....	150	115	111	Japanese.....	126	161	280
Norway.....	289	184	220	Mexican.....	8, 335	7, 049	7, 772
Poland.....	352	389	300	Polish.....	390	437	326
Portugal.....	167	277	279	Scandinavian.....	720	513	474
Rumania.....	354	268	185	Scotch.....	535	513	549
Spain.....	283	508	434	Spanish.....	394	599	502
Sweden.....	151	138	115	All others.....	2, 493	2, 810	2, 617
Yugoslavia.....	451	477	315	Causes for deportation			
Other Europe.....	221	223	227	Public charges from causes			
Canada and Newfoundland.....	2, 305	2, 367	2, 239	existing prior to entry.....	578	492	534
Mexico.....	8, 409	7, 116	7, 796	Mentally, or physically defective at time of entry.....	374	615	522
West Indies.....	209	236	283	Criminal and immoral classes.....	2, 719	2, 804	2, 750
				Miscellaneous causes.....	14, 471	15, 515	16, 013

No. 98.—ALIENS REGISTERED UNDER THE ACT OF MARCH 2, 1929

NOTE.—Under the terms of an act of Congress approved March 2, 1929, legalizing permanent residence in the United States of aliens who entered without proper inspection prior to June 3, 1921, when the first quota law went into effect, the examination must determine whether the following facts exist: (1) That the applicant is an alien not ineligible to citizenship; (2) that there is no record of admission for permanent residence; (3) that he entered the United States prior to June 3, 1921; (4) that he has resided in the United States continuously since such entry; (5) that he is a person of good moral character; and (6) that he is not subject to deportation

Year ended June 30—					Year ended June 30—				
	1930	1931	1932	1933		1930	1931	1932	1933
Total.....	8, 098	16, 242	14, 144	6, 229	Entered				
Born in:					By boat.....	5, 427	11, 177	9, 191	4, 213
Germany.....	505	1, 003	531	270	By railway.....	1, 767	3, 582	3, 786	1, 391
Great Britain.....	501	861	680	283	By automobile.....	1, 26	170	134	55
Greece.....	517	683	423	213	By wagon etc.....	192	197	141	110
Ireland.....	223	464	443	147	Afoot.....	586	1, 116	892	460
Italy.....	510	1, 263	1, 020	538	Prior to 1891.....	313	739	806	47
Poland.....	692	2, 101	1, 956	785	1891 to 1900.....	381	1, 246	1, 396	85
Scandinavia.....	528	983	595	243	1901 to 1910.....	1, 491	4, 096	4, 832	1, 773
Other Europe.....	2, 117	4, 058	3, 157	1, 420	1911 to 1920.....	5, 282	9, 122	6, 567	3, 972
Canada.....	1, 059	2, 342	2, 237	1, 032	Jan 1 to June 2, 1921.....	631	1, 039	543	352
Mexico.....	1, 144	1, 701	1, 391	857	Race or people				
Other countries.....	302	783	711	441	English.....	735	1, 292	1, 532	551
Entered the United States at:					German.....	614	1, 397	932	418
New York, N. Y.....	2, 980	6, 741	5, 838	2, 712	Greek.....	579	804	488	257
Other Atlantic ports.....	1, 059	2, 006	1, 498	986	Hebrew.....	705	1, 672	1, 337	512
Pacific and Gulf ports.....	477	825	587		Irish.....	466	884	908	313
Canadian land border.....	2, 412	4, 883	4, 784	1, 659	Italian.....	1, 131	1, 672	1, 360	838
Mexican land border.....	1, 170	1, 787	1, 437	872	Mexican.....	564	1, 050	644	267
					Scandinavian.....	2, 877	6, 311	5, 893	2, 544
					All other.....				
					Sex				
					Male.....	6, 794	13, 743	11, 270	5, 065
					Female.....	1, 304	2, 499	2, 874	1, 164

No. 99.—ARRIVALS AND DEPARTURES OF ALIENS AND CITIZENS

Class	1920-1924, average	1925-1929, average	1930	1931	1932	1933
Aliens and citizens.						
Arrivals.....	963, 630	888, 385	923, 474	720, 576	514, 133	455, 729
Departures.....	588, 089	632, 323	734, 448	737, 302	668, 494	582, 347
Excess of arrivals (+) or departures (-).....	+375, 541	+256, 062	+189, 026	-16, 726	-154, 361	-126, 618
Aliens, total.						
Arrivals.....	716, 990	494, 500	446, 214	280, 679	174, 871	150, 728
Departures.....	323, 362	246, 721	272, 425	290, 916	287, 657	243, 802
Excess of arrivals (+) or departures (-).....	+393, 628	+247, 779	+173, 789	-10, 237	-112, 786	-93, 074
Aliens, immigrant or emigrant.						
Arrivals.....	554, 920	304, 182	241, 700	97, 139	35, 576	23, 068
Departures.....	178, 597	77, 949	50, 661	61, 882	103, 295	80, 081
Excess of arrivals (+) or departures (-).....	+376, 323	+226, 233	+191, 039	+35, 257	-67, 719	-57, 013
Aliens, nonimmigrant or nonemigrant						
Arrivals.....	162, 070	190, 318	201, 514	183, 540	139, 295	127, 660
Departures.....	144, 765	168, 772	221, 764	229, 034	184, 362	163, 721
Excess of arrivals (+) or departures (-).....	+17, 305	+21, 546	-17, 250	-45, 494	-45, 067	-36, 061
Citizens:						
Arrivals.....	246, 640	393, 885	477, 260	439, 897	339, 262	305, 001
Departures.....	264, 727	385, 602	462, 023	446, 386	380, 837	338, 545
Excess of arrivals (+) or departures (-).....	-18, 087	+8, 283	+15, 237	-6, 489	-41, 575	-33, 544
Citizens permanently departed						
Naturalized.....	7, 097	3, 675	1, 597	1, 417	1, 319	1, 051
Native-born.....	49, 117	20, 579	19, 142	18, 576	32, 668	20, 238

No. 100.—ARRIVALS OF PASSENGERS AT THE PRINCIPAL PORTS FROM FOREIGN COUNTRIES: YEARS ENDED JUNE 30

NOTE.—Figures for immigrants and nonimmigrant aliens cover admissions only. In addition, there are debarred aliens among the arrivals who, after being examined, are found inadmissible and returned to the countries whence they came

Port and class	1910-1914, average	1915-1919, average	1920-1924, average	1925-1929, average	1930	1931	1932	1933
United States, total.....	1, 488, 422	454, 192	963, 630	888, 385	923, 474	720, 576	514, 133	455, 729
United States citizens.....	273, 262	131, 643	246, 640	393, 885	477, 260	439, 897	339, 262	305, 001
Immigrants.....	1, 034, 940	234, 536	554, 920	304, 182	241, 700	97, 139	35, 576	23, 068
Nonimmigrant aliens.....	180, 220	88, 013	162, 070	190, 318	204, 514	183, 540	139, 295	127, 660
New York.....	1, 048, 710	183, 356	571, 942	551, 927	616, 265	506, 098	362, 192	328, 990
United States citizens.....	173, 578	55, 192	161, 265	272, 872	326, 914	317, 726	246, 946	226, 771
Immigrants.....	759, 791	100, 970	321, 403	153, 683	147, 982	63, 392	21, 500	12, 944
Nonimmigrant aliens.....	115, 341	37, 194	89, 274	125, 372	141, 369	124, 980	93, 746	89, 275
Boston.....	73, 896	13, 034	30, 329	19, 445	44, 938	15, 863	11, 799	12, 129
United States citizens.....	11, 498	2, 723	4, 486	8, 223	31, 132	8, 640	7, 711	7, 820
Immigrants.....	52, 474	8, 801	24, 168	7, 162	9, 483	3, 063	660	422
Nonimmigrant aliens.....	9, 925	1, 510	1, 675	4, 060	4, 323	4, 170	3, 428	3, 887
Philadelphia.....	54, 823	2, 355	10, 627	815	1, 716	2, 116	1, 099	502
United States citizens.....	3, 506	462	1, 355	413	1, 383	1, 809	879	325
Immigrants.....	48, 547	1, 667	8, 597	150	72	71	21	12
Nonimmigrant aliens.....	2, 770	256	675	252	261	236	199	165
Baltimore.....	31, 283	914	511	198	335	340	1, 347	1, 642
United States citizens.....	1, 126	76	132	110	205	249	1, 138	1, 463
Immigrants.....	29, 395	780	317	50	73	39	58	37
Nonimmigrant aliens.....	762	58	62	38	57	52	151	152
New Orleans.....	11, 674	11, 199	11, 052	13, 050	13, 057	11, 326	8, 755	7, 406
United States citizens.....	7, 837	6, 808	6, 474	9, 246	9, 626	8, 632	6, 991	5, 993
Immigrants.....	1, 791	1, 931	1, 407	847	765	549	401	262
Nonimmigrant aliens.....	2, 046	2, 460	3, 171	2, 957	2, 666	2, 145	1, 363	1, 151
San Francisco.....	14, 053	19, 587	24, 738	16, 245	17, 974	15, 677	12, 208	10, 073
United States citizens.....	5, 389	5, 460	6, 976	6, 791	7, 812	7, 921	7, 271	5, 933
Immigrants.....	4, 776	8, 442	7, 659	2, 297	3, 341	2, 156	1, 160	395
Nonimmigrant aliens.....	3, 887	5, 665	10, 103	7, 157	6, 818	5, 600	3, 777	3, 745
Seattle.....	4, 627	6, 911	8, 733	5, 583	5, 580	4, 711	4, 205	3, 121
United States citizens.....	794	614	1, 739	2, 332	2, 580	2, 335	2, 233	1, 703
Immigrants.....	2, 208	3, 938	4, 046	959	716	544	342	29
Nonimmigrant aliens.....	1, 625	2, 359	2, 948	2, 292	2, 284	1, 832	1, 630	1, 389

Source of Tables 99 and 100 Immigration and Naturalization Service, Department of Labor.

No. 101.—ALIENS ADMITTED TO CITIZENSHIP: BY STATES AND INSULAR AREAS AND BY SEX, YEARS ENDED JUNE 30

	1930	1931	1932	1933		1930	1931	1932	1933
Cont'l U.S.	169,035	143,177	136,111	113,005	East South Central—Continued				
New England	19,986	18,573	21,185	15,871	Alabama	68	85	101	51
Maine	831	353	450	407	Mississippi	33	54	44	23
New Hampshire	509	387	475	358	West South Central	982	1,087	812	815
Vermont	331	192	277	319	Arkansas	51	29	37	28
Massachusetts	12,283	12,356	14,727	10,306	Louisiana	240	220	171	198
Rhode Island	1,612	1,620	1,590	1,037	Oklahoma	134	135	118	88
Connecticut	4,420	3,665	3,662	3,444	Texas	557	673	486	501
Middle Atlantic	85,518	68,317	61,155	58,915	Mountain	1,692	1,461	1,606	1,177
New York	59,552	46,061	41,834	44,650	Montana	363	379	371	289
New Jersey	12,708	9,290	10,298	7,572	Idaho	132	112	114	91
Pennsylvania	13,258	10,966	9,023	6,693	Wyoming	182	147	177	117
East North Central	38,763	35,010	31,978	21,587	Colorado	464	360	425	225
Ohio	7,671	5,811	4,585	3,469	New Mexico	78	60	69	47
Indiana	1,391	1,328	1,089	752	Arizona	109	136	174	147
Illinois	16,422	13,850	12,252	7,880	Utah	266	168	173	147
Michigan	10,203	11,437	11,857	7,482	Nevada	98	99	103	114
Wisconsin	3,076	2,584	2,204	2,014	Pacific	11,727	11,968	11,831	9,307
West North Central	7,199	5,901	5,227	3,709	Washington	1,968	2,062	1,899	1,587
Minnesota	2,720	2,341	1,966	1,417	Oregon	675	661	593	446
Iowa	1,057	940	759	523	California	9,054	9,245	9,289	7,264
Missouri	1,578	1,139	1,108	802	Insular areas				
North Dakota	477	319	309	208	Alaska	342	318	389	358
South Dakota	308	287	279	124	Hawaii	74	98	220	201
Nebraska	744	689	560	343	Puerto Rico	45	51	98	59
Kansas	245	286	216	202	Virgin Islands			10	3
South Atlantic	2,842	2,484	1,962	1,416	Entire United States	169,377	143,495	136,600	113,363
Delaware	121	144	120	85	Civilian	167,637	140,271	136,598	112,363
Maryland	728	761	556	385	Military	1,740	3,224	2	995
District of Columbia	423	366	360	269	Male	120,606	106,715	95,901	78,293
Virginia	198	153	114	66	Female	48,771	30,780	40,699	35,070
West Virginia	639	461	347	182	Cont'l United States				
North Carolina	76	92	29	20	Male	120,321	106,477	95,609	78,124
South Carolina	49	46	39	24	Female	48,711	36,700	40,502	34,881
Georgia	146	83	87	67	Insular areas:				
Florida	462	378	301	298	Male	285	238	292	169
East South Central	396	408	355	198	Female	57	80	197	189
Kentucky	172	147	120	65					
Tennessee	123	120	87	59					

No. 102.—ALIENS ADMITTED TO CITIZENSHIP IN CONTINENTAL UNITED STATES: BY NATIONALITY, YEARS ENDED JUNE 30

Nationality	1930	1931	1932	1933	Nationality	1930	1931	1932	1933
All countries	169,035	143,177	136,111	113,005	Europe—Continued				
Europe	151,991	127,940	118,797	98,554	Rumania	3,032	2,524	2,093	1,716
Albania	359	294	217	158	Russia	12,994	9,521	7,621	6,738
Austria	3,217	2,476	1,970	1,764	Spain	635	694	551	573
Belgium	747	637	564	421	Sweden	4,848	4,836	4,087	3,006
Bulgaria	213	214	200	121	Switzerland	1,424	1,225	1,217	891
Czechoslovakia	6,942	4,832	4,032	3,148	Yugoslavia	4,236	3,319	2,974	2,060
Denmark	1,652	1,482	1,445	1,141	Other Europe	194	222	151	90
Estonia	236	178	143	96	Palestine	152	125	95	89
Finland	1,251	1,149	1,265	913	Syria	717	588	491	395
France	1,167	877	905	826	Turkey	2,333	1,550	1,257	999
Germany	15,762	17,592	17,854	16,385	Other Asia	71	80	74	73
Great Britain					Philippine Islands	53	29	16	18
England	7,223	6,773	6,175	4,728	Canada	7,566	7,173	10,144	8,638
Scotland	5,114	4,884	3,796	2,812	Mexico	176	178	248	278
Wales	390	343	367	248	British West Indies, incl Brit. Empire not specified	2,554	2,143	2,035	1,413
Greece	4,011	3,172	2,335	1,701	Other West Indies	74	90	82	97
Hungary	3,787	4,421	2,224	1,592	Central America	53	358	58	54
Ireland	9,177	11,109	14,426	13,546	South America	348	363	333	343
Italy	31,551	22,756	20,886	16,327	Africa	43	39	24	50
Latvia	619	399	405	334	Australia	104	94	103	82
Lithuania	2,466	1,893	1,900	1,610	Repatriated Americans	2,800	2,427	2,354	1,922
Netherlands	1,696	1,180	1,134	747					
Norway	2,752	2,813	2,788	2,139					
Poland	22,596	15,401	14,280	12,089					
Portugal	800	824	792	634					

Source of Tables 101 and 102: Immigration and Naturalization Service, Department of Labor

5. EDUCATION

No. 103.—SUMMARY OF PUBLIC ELEMENTARY AND SECONDARY SCHOOLS CONTINENTAL UNITED STATES

	1870	1880	1890	1900	1910
Total population.....	1 38,558,371	1 50,155,783	1 2 62,622,250	1 2 75,602,515	1 91,972,266
Population 5-17 years, inclusive.....	1 12,055,443	1 15,065,767	1 2 18,543,201	1 2 21,404,322	1 24,239,948
Per cent of total population.....	31.3	30.1	29.6	28.3	26.4
Pupils enrolled in public schools.....	6,871,522	9,867,505	12,722,581	15,503,110	17,813,852
Per cent of total population.....	17.82	19.67	20.32	20.51	19.37
Per cent of population 5-17, incl.....	57.00	65.50	68.61	72.43	73.49
Average daily attendance.....	4,077,347	6,144,143	8,153,635	10,632,772	12,827,307
Per cent of pupils enrolled.....	59.3	62.3	64.1	68.6	72.1
Average number of days schools in session.....	132.2	130.3	134.7	144.3	157.5
Average number of days attended per enrolled pupil.....	78.4	81.1	86.3	99.0	113.0
Number of teachers.....	200,515	286,593	363,922	423,062	523,210
Male.....	77,529	122,795	125,525	126,588	110,481
Female.....	122,986	163,798	238,397	296,474	412,729
Per cent male teachers.....	38.7	42.8	34.5	29.9	21.1
Salaries: Teachers, supervisors, and principals (thousands of dollars).....	37,795	55,886	91,708	137,495	253,757
Average annual salary per teacher.....	³ \$189	³ \$195	³ \$252	³ \$325	³ \$485
Total expenditure for education (thousands of dollars).....	63,397	78,095	140,507	214,965	426,250
Per capita of total population.....	\$1.64	\$1.56	\$2.24	\$2.84	\$4.64
Per capita of population 5-17, inclusive.....	\$5.26	\$5.18	\$7.58	\$10.04	\$17.58
Per capita of enrollment.....	\$9.23	\$7.91	\$11.04	\$13.87	\$23.93

	1920	1926	1928	1930	1932
Total population.....	1 105,710,620	4 116,531,963	4 119,861,607	1 122,775,046	4 124,822,000
Population 5-17 years, inclusive.....	1 27,728,788	4 30,165,515	4 30,915,278	1 31,571,322	4 32,031,549
Per cent of total population.....	26.2	⁵ 25.9	⁵ 25.8	25.7	25.7
Pupils enrolled in public schools.....	21,578,316	24,741,468	25,179,696	25,678,015	26,275,441
Per cent of total population.....	20.4	⁵ 21.2	⁵ 21.0	20.9	21.1
Per cent of population 5-17, incl.....	77.8	82.0	81.4	81.3	82.0
Average daily attendance.....	16,150,035	19,855,881	20,608,353	21,264,886	22,245,344
Per cent of pupils enrolled.....	74.8	80.3	81.8	82.8	84.7
Average number of days schools in session.....	161.9	169.3	171.5	172.7	171.2
Average number of days attended per enrolled pupil.....	121.2	135.9	140.4	143.0	144.9
Number of teachers.....	679,533	814,169	831,634	854,263	871,607
Male.....	95,666	138,810	138,193	141,771	153,861
Female.....	583,867	675,359	693,741	712,492	717,746
Per cent male teachers.....	14.1	17.0	16.6	16.6	17.7
Salaries Teachers, supervisors, and principals (thousands of dollars).....	590,120	1,061,583	1,164,583	1,250,427	1,265,444
Average annual salary per teacher.....	⁶ \$871	⁶ \$1,277	⁶ \$1,364	⁶ \$1,420	⁶ \$1,417
Total expenditure for education (thousands of dollars).....	1,036,151	2,026,308	2,184,337	2,316,790	2,174,651
Per capita of total population.....	\$9.80	⁶ \$17.39	⁶ \$18.23	\$18.87	\$17.42
Per capita of population 5-17, inclusive.....	\$37.37	\$67.17	\$70.67	\$73.38	\$67.89
Per capita of enrollment.....	\$48.02	\$81.90	\$86.75	\$90.22	\$82.76

¹ Census enumeration as of June 1, 1870 to 1900, Apr 15, 1910, Jan 1, 1920, and Apr 1, 1930

² Excluding the population of Indian Territory which is not included in public school statistics

³ Computed from number of teaching positions

⁴ Census estimates for July 1.

⁵ Computed from the above revised estimates of population

⁶ Computed from number of teaching positions plus supervisors and principals whose salaries are included

Source: Office of Education, Department of the Interior.

No. 104.—ELEMENTARY, SECONDARY, NORMAL SCHOOL, AND COLLEGE ENROLLMENTS AND EXPENDITURES CONTINENTAL UNITED STATES

Schools	1900	1910	1920	1930	1932
ENROLLMENT					
Elementary and kindergarten, total.....	16, 224, 764	18, 449, 828	20, 894, 171	23, 588, 479	23, 566, 653
Kindergartens (public and private).....	225, 394	¹ 346, 189	² 510, 949	777, 899	763, 699
Public elementary schools and kindergartens.....	14, 983, 859	16, 898, 791	19, 378, 927	21, 278, 593	² 21, 182, 472
Private elementary schools and kindergartens (largely estimated).....	1, 240, 925	1, 551, 037	1, 515, 244	2, 309, 886	2, 384, 181
Secondary students, total.....	695, 903	1, 111, 393	2, 494, 676	4, 799, 867	5, 547, 001
Public high schools.....	519, 251	915, 061	³ 2, 199, 389	³ 4, 399, 422	⁵ 5, 140, 021
Private high schools.....	110, 797	117, 400	³ 213, 920	⁴ 341, 158	⁵ 403, 415
Preparatory schools (in colleges and universities).....	56, 285	66, 042	59, 309	47, 309	33, 750
Secondary students in normal schools.....	9, 570	12, 890	22, 058	11, 978	15, 686
College and normal students, total.....	237, 592	355, 215	597, 682	1, 085, 799	1, 144, 703
Normal schools and teachers colleges (excluding secondary students).....	69, 593	88, 561	135, 237	161, 524	154, 046
Colleges, universities, and professional schools (excl. preparatory students).....	167, 999	266, 654	462, 445	924, 275	989, 757
EXPENDITURES (thousands of dollars) ⁶					
Public elementary and secondary schools.....	214, 965	426, 250	1, 036, 151	2, 316, 790	2, 174, 651
Private elementary and secondary schools.....	(⁷)	53, 542	(⁷)	233, 277	229, 564
Normal schools and teachers colleges ⁸	⁹ 5, 232	14, 023	27, 130	68, 702	¹¹ 49, 896
Colleges, universities, and professional schools ⁹	¹⁰ 40, 554	⁹ 77, 873	189, 235	563, 547	¹¹ 494, 058

¹ 1912 ² Includes 47,052 elementary pupils in teacher-training institutions.

³ From State reports ⁴ Figure for 1923

⁵ Including outlays ⁶ Expenditures for education in all schools reporting finances, including schools

for the delinquent, deaf, blind, feeble-minded, and Indians, not shown in this table, amounted to \$3,233,601,000 in 1930 and \$2,968,109,000 in 1932. The latter figure excludes auxiliary operations (see note 11).

⁷ No data ⁸ Expenditures for all departments, including preparatory

⁹ Receipts excluding endowment ¹⁰ Receipts including endowment

¹¹ Excludes expenditures for auxiliary enterprises, included in prior years, amounting to \$8,361,000 for normal schools and teachers' colleges and \$82,536,000 for colleges, universities, etc

[†] Source. Office of Education, Department of the Interior

No. 105.—PUBLIC HIGH SCHOOLS AND PRIVATE HIGH SCHOOLS AND ACADEMIES: CONTINENTAL UNITED STATES

NOTE—Data are from reports received from the schools. In 1930, 22,237 public high schools out of a total of approximately 24,000 furnished complete reports. The total enrollment in all high schools as reported by the State departments of education is shown for 1920, 1930, and 1932 in Table 104. Detailed data not collected for 1932

	1890	1900	1910	1920	1923	1930
ALL HIGH SCHOOLS AND ACADEMIES						
Schools reporting.....	4, 158	7, 983	11, 994	16, 419	20, 564	24, 997
Total secondary pupils ¹	297, 894	630, 048	1, 032, 461	2, 041, 308	3, 623, 722	4, 454, 721
Per cent of total population.....	0.47	0.83	1.12	1.93	3.02	3.91
Number of persons 14 to 17 years of age in total population ²	5, 354, 653	6, 152, 405	7, 220, 298	7, 735, 841	9, 067, 130	9, 341, 221
Ratio of number of pupils to total number of age specified, per cent.....	5.56	10.24	14.30	26.38	39.97	51.38
PUBLIC HIGH SCHOOLS						
Schools reporting.....	2, 526	6, 005	10, 213	14, 326	18, 116	22, 237
Teachers, total.....	³ 9, 120	20, 372	41, 667	⁴ 97, 654	⁴ 182, 637	⁴ 213, 291
Men.....	3, 597	10, 172	18, 890	34, 396	64, 931	74, 530
Women.....	5, 280	10, 200	22, 777	63, 258	117, 706	138, 761
Secondary pupils, total ¹	³ 202, 963	519, 251	915, 061	1, 857, 155	3, 354, 473	4, 145, 669
Boys.....	85, 451	216, 207	398, 525	822, 967	1, 598, 605	1, 991, 202
Girls.....	116, 351	303, 044	516, 536	1, 034, 188	1, 755, 868	2, 154, 467
Colored students (included above).....	5, 933	8, 395	12, 636	27, 631	96, 107	118, 397
First year.....	(⁵)	(⁵)	392, 505	742, 320	1, 212, 894	1, 460, 459
Second year.....	(⁵)	(⁵)	247, 936	498, 796	906, 179	1, 132, 061
Third year.....	(⁵)	(⁵)	163, 176	346, 684	670, 089	852, 012
Fourth year.....	(⁵)	(⁵)	111, 444	261, 369	546, 528	684, 985
Postgraduate.....	(⁵)	(⁵)	(⁵)	7, 986	18, 783	16, 152
Per cent of total population in public high schools.....	0.32	0.68	1.00	1.76	2.80	3.38
Number graduated during year, total.....	21, 882	61, 737	111, 363	230, 902	474, 738	591, 719
Boys.....	7, 692	22, 675	48, 657	90, 516	210, 916	267, 291
Girls.....	14, 190	39, 162	67, 706	140, 386	263, 820	324, 428

[†] Footnotes on p. 106.

**No. 105.—PUBLIC HIGH SCHOOLS AND PRIVATE HIGH SCHOOLS AND
ACADEMIES: CONTINENTAL UNITED STATES—Continued**

	1890	1900	1910	1920	1928	1930
PRIVATE HIGH SCHOOLS AND ACADEMIES						
Schools reporting.....	1,632	1,978	1,781	2,093	2,448	2,760
Teachers, total.....	7,209	10,117	11,146	14,946	20,333	22,014
Men.....	3,272	4,275	4,512	5,698	7,866	8,580
Women.....	3,937	5,842	6,634	9,248	12,467	13,434
Secondary pupils, total.....	94,681	110,797	117,400	184,153	269,249	309,052
Boys.....	47,534	55,734	55,474	84,222	128,596	146,517
Girls.....	47,397	55,063	61,926	99,931	140,653	162,535
Colored (included above).....		2,590	3,888	9,586	8,302	8,868
Total in schools for boys only.....			26,838	47,925	74,054	88,137
Total in schools for girls only.....			28,317	55,658	78,775	91,605
Total in coeducational schools.....			62,245	80,570	115,520	129,310

¹ Excludes seventh and eighth grades in junior high schools

² Census enumerations except figure for 1928 which is revised census estimate as of July 1

³ Includes those not classified by sex

⁴ Includes teachers in junior high schools as follows 1920, 1,361 men, 5,069 women; 1928, 7,305 men, 24,634 women, 1930, 9,277 men, 30,755 women

⁵ No data

**No. 106.—NORMAL SCHOOLS AND TEACHERS' COLLEGES (STATE, COUNTY,
CITY, AND PRIVATE): CONTINENTAL UNITED STATES**

NOTE.—Data cover regular session only, figures formerly shown for 1928 and 1930 included summer schools
For summer-school enrollment in 1932, see Table 118

	1900	1910	1920	1928	1930	1932
ALL NORMAL SCHOOLS AND TEACHERS' COLLEGES						
Number reporting.....	305	264	369	339	331	289
Instructors, total.....	4,367	5,914	9,467	11,927	11,977	11,805
Men.....	1,856	2,195	3,512	4,547	4,720	4,516
Women.....	2,511	3,719	5,955	7,380	7,257	7,089
Students in all courses, total.....	² 118,684	² 132,438	162,368	185,162	176,482	164,826
Men.....	47,906	37,823	29,107	42,238	43,458	50,509
Women.....	68,778	94,615	133,261	142,924	133,024	114,317
Students in normal courses, total.....	² 69,593	88,561	135,237	162,080	161,624	154,946
Men.....	24,169	19,746	19,080	32,719	36,646	45,558
Women.....	45,424	68,815	116,157	129,361	124,978	109,388
Graduates from normal courses during year.....	11,359	15,430	20,917	49,627	49,227	46,072
Enrollment in model schools.....	35,397	66,180	91,641	71,685	90,601	61,144
Volumes in libraries.....	807,963	1,521,528	2,380,073	3,536,032	4,065,076	4,247,927
Receipts, all sources (1,000 dollars).....	5,232	14,688	31,275	70,017	69,984	59,069
Total current expenditures (1,000 dollars).....			23,232	51,222	53,241	49,027
STATE NORMAL SCHOOLS AND PUBLIC AND PRIVATE TEACHERS' COLLEGES						
Number.....	127	151	182	206	206	206
Instructors.....	2,199	3,840	7,162	9,754	10,134	10,691
Students in all courses.....	² 60,309	² 94,143	140,382	156,794	154,961	156,143
Students in normal courses.....	41,655	71,447	118,831	139,143	142,655	146,330
TEACHERS' COLLEGES (INCLUDED ABOVE)						
Number.....			45	137	140	155
Instructors.....			2,504	7,697	8,211	9,065
Students in all courses.....			61,906	124,870	127,848	138,720
Students in normal courses.....			54,721	112,550	118,411	129,593
CITY AND COUNTY NORMAL SCHOOLS						
Number.....	30	40	128	74	73	55
Instructors.....	560	845	1,098	850	893	531
Students in all courses.....	² 7,565	² 16,940	12,527	15,579	12,385	5,552
Students in normal courses.....	4,592	7,773	12,527	15,579	12,385	5,552
PRIVATE NORMAL SCHOOLS						
Number.....	148	73	59	59	52	28
Instructors.....	1,618	1,229	1,207	1,323	950	383
Students in all courses.....	² 48,675	² 21,355	9,459	12,789	9,116	3,131
Students in normal courses.....	23,304	9,341	3,879	7,358	6,484	3,064

¹ Represents total number reduced to full-time basis

² Includes some pupils in model schools

³ Data includes 135 pupils in all courses and 42 for normal courses not distributed by kind of school.

Source of Tables 105 and 106 Office of Education, Department of the Interior.

No. 107.—UNIVERSITIES, COLLEGES, AND PROFESSIONAL SCHOOLS: CONTINENTAL UNITED STATES

NOTE.—All data cover regular session only For summer-school enrollment, 1932, see Table 118

	1900	1910	1920	1926	1928	1930	1932
PROFESSORS AND INSTRUCTORS							
Total, excluding duplicates.....	22, 134	33, 631	42, 832	62, 224	67, 209	71, 722	¹ 79, 314
Men.....	18, 343	28, 477	34, 111	48, 649	52, 263	55, 861	61, 691
Women.....	3, 791	5, 154	8, 771	13, 575	14, 946	15, 861	17, 623
Collegiate departments.....	11, 219	17, 281	28, 113	43, 326	50, 122	54, 195	² 77, 524
Men.....	9, 014	14, 051	21, 644	32, 605	36, 783	39, 735	(³)
Women.....	2, 205	3, 230	6, 469	10, 721	13, 339	14, 460	(³)
Professional departments.....	8, 277	13, 285	10, 915	14, 733	14, 915	16, 214	(⁴)
Men.....	—	12, 886	10, 603	14, 152	14, 373	15, 562	(⁴)
Women.....	—	399	312	581	542	652	(⁴)
Other departments.....	—	—	2, 221	1, 435	116	(⁵)	(⁵)
Men.....	—	—	982	550	27	(⁵)	(⁵)
Women.....	—	—	1, 239	885	89	(⁵)	(⁵)
Preparatory departments.....	4, 078	4, 548	4, 282	3, 917	3, 267	2, 815	2, 837
Men.....	2, 572	2, 807	2, 714	2, 189	1, 834	1, 564	(⁶)
Women.....	1, 506	1, 741	1, 568	1, 728	1, 433	1, 251	(⁶)
STUDENTS							
Total students of collegiate grade, excluding duplicates.....	167, 999	266, 654	462, 445	767, 263	868, 793	924, 275	⁵ 989, 757
Men.....	128, 085	185, 379	295, 828	476, 547	533, 038	576, 477	616, 843
Women.....	39, 914	81, 275	166, 617	290, 716	335, 755	347, 798	372, 914
Collegiate departments.....	104, 098	174, 213	341, 082	595, 458	695, 219	753, 827	⁶ 867, 427
Men.....	68, 047	118, 074	212, 405	347, 665	402, 242	441, 985	550, 044
Women.....	36, 051	61, 139	128, 677	247, 793	292, 977	311, 842	317, 383
Graduate departments.....	5, 831	9, 370	15, 612	32, 500	44, 165	47, 255	⁷ 76, 953
Men.....	4, 112	6, 504	9, 837	20, 159	26, 540	29, 070	50, 379
Women.....	1, 719	2, 866	5, 775	12, 341	17, 625	18, 185	26, 574
Professional departments ⁸	58, 070	71, 257	57, 131	98, 413	99, 424	98, 041	(⁴)
Men.....	55, 926	65, 569	53, 295	92, 591	93, 639	92, 786	(⁴)
Women.....	2, 144	5, 688	3, 836	5, 822	5, 785	5, 255	(⁴)
Other departments.....	—	—	65, 859	53, 566	39, 153	30, 148	—
Men.....	—	—	27, 533	23, 211	16, 399	15, 923	—
Women.....	—	—	38, 326	30, 355	22, 754	14, 225	—
Preparatory departments.....	56, 285	66, 042	59, 309	55, 632	50, 588	47, 309	33, 750
Men.....	34, 814	42, 616	38, 398	33, 185	30, 206	27, 766	19, 372
Women.....	21, 471	23, 426	20, 911	22, 447	20, 382	19, 543	14, 378
DEGREES CONFERRED							
Baccalaureate ⁹	27, 410	37, 199	47, 326	91, 625	102, 982	111, 411	122, 538
Men.....	—	—	31, 544	60, 153	64, 878	70, 006	77, 989
Women.....	—	—	15, 782	31, 472	38, 104	41, 405	44, 549
Graduate.....	1, 952	2, 541	4, 853	11, 451	13, 834	16, 832	21, 655
Men.....	1, 628	1, 939	3, 457	7, 700	8, 976	10, 693	(³)
Women.....	324	602	1, 396	3, 751	4, 858	6, 139	(³)
Ph. D., on examination.....	342	409	532	1, 302	1, 447	2, 024	(¹⁰)
Men.....	322	365	469	1, 115	1, 249	1, 692	—
Women.....	20	44	93	187	198	332	—
Volumes in libraries..... thousands.....	8, 764	14, 059	24, 191	37, 549	40, 498	44, 369	48, 682
Total receipts, exclusive of additions to endowment..... 1,000 dollars.....	¹¹ 40, 554	77, 873	189, 235	407, 400	496, 529	567, 618	563, 632

¹ The entire force reduced to full time basis and excluding duplicates was 89,000 This includes administrative officers, extension service, and organized research in addition to the regular force.² Collegiate, professional, and graduate³ Not available.⁴ Included in collegiate⁵ Includes some special and unclassified students not shown separately⁶ Not comparable with data for earlier years Figure represents undergraduates in arts and sciences and professional courses For separate data see Table 114.⁷ Includes graduate students in all departments, figures for prior years included graduate school only.⁸ Includes undergraduate and graduate students in theology, law, medicine, dentistry, pharmacy, osteopathy, and veterinary medicine, while other professions are included in collegiate or other departments. For 1932 undergraduate and graduate students in all professions were tabulated separately and are here included in figure shown under collegiate and graduate, respectively For separate data see Table 114.⁹ Including first professional¹⁰ Data not collected¹¹ Including endowment.

Source. Office of Education, Department of the Interior.

No. 108.—ELEMENTARY AND SECONDARY SCHOOLS,

Division and State or outlying area	Population, 5-17 years, inclusive, 1932	Public elementary and secondary schools						
		Pupils enrolled				Ratio of enrolled to total population 5-17 years, inclusive, per cent		
		1910	1920	1930	1932	1920	1930	1932
Continental U. S.	32,031,549	17,813,852	21,578,316	25,678,015	26,275,441	77.2	81.3	82.0
New England.....	1,995,700	1,081,148	1,242,221	1,492,320	1,535,403	72.7	75.9	76.8
Maine.....	197,600	144,278	137,681	154,455	161,756	76.3	78.9	81.9
New Hampshire.....	110,400	63,972	64,205	74,240	76,431	64.3	68.0	69.2
Vermont.....	88,000	66,615	61,785	65,976	66,259	73.4	75.3	75.3
Massachusetts.....	1,014,600	535,869	623,586	759,492	782,225	71.3	76.0	77.1
Rhode Island.....	173,100	80,061	93,501	118,704	123,239	65.4	69.9	71.2
Connecticut.....	412,000	190,353	261,463	319,453	325,493	80.3	79.3	79.0
Middle Atlantic.....	6,441,500	3,135,731	3,925,080	4,870,924	5,069,767	72.9	77.0	78.7
New York.....	2,844,500	1,422,969	1,719,841	2,141,479	2,240,190	72.8	76.7	78.7
New Jersey.....	1,011,300	429,797	594,780	792,012	821,532	77.4	80.4	81.2
Pennsylvania.....	2,585,700	1,282,965	1,610,459	1,937,433	2,008,039	71.5	76.0	77.7
East North Central.....	6,203,700	3,378,038	3,871,422	4,875,526	4,978,824	75.0	80.0	80.3
Ohio.....	1,631,700	838,080	1,020,663	1,277,636	1,299,212	76.6	79.9	79.6
Indiana.....	1,792,000	531,459	566,288	667,379	687,629	79.4	85.2	86.8
Illinois.....	1,795,000	1,002,687	1,127,560	1,395,907	1,415,553	72.1	78.9	78.9
Michigan.....	1,233,800	541,501	691,674	970,582	996,825	79.3	81.2	80.8
Wisconsin.....	751,200	464,311	465,243	564,022	579,605	68.2	75.8	77.2
West North Central.....	3,378,700	2,603,951	2,724,540	2,853,752	2,873,436	83.7	84.8	85.0
Minnesota.....	662,100	440,083	503,597	551,741	558,148	81.8	84.0	84.3
Iowa.....	616,800	510,661	514,521	554,655	555,341	86.1	90.2	90.0
Missouri.....	860,200	707,031	672,433	656,073	683,830	78.3	76.3	79.5
North Dakota.....	204,600	139,802	168,283	169,277	165,608	84.6	83.0	80.9
South Dakota.....	197,700	126,253	146,955	165,624	164,914	82.9	84.7	83.4
Nebraska.....	359,200	281,375	311,821	325,216	324,241	90.5	90.1	90.3
Kansas.....	478,100	398,746	406,880	431,166	421,354	87.9	90.5	88.1
South Atlantic.....	4,734,600	2,573,386	3,282,217	3,755,278	3,879,386	77.6	80.2	81.9
Delaware.....	58,200	35,950	38,453	42,360	44,522	73.2	73.5	76.5
Maryland.....	407,500	233,393	241,618	277,459	283,169	66.9	68.9	70.7
District of Columbia.....	89,400	55,774	65,298	80,965	90,087	84.3	91.9	91.0
Virginia.....	719,700	402,109	505,190	582,958	582,982	73.3	78.6	81.0
West Virginia.....	530,600	276,458	346,256	395,505	422,357	79.8	76.0	79.6
North Carolina.....	1,053,300	520,404	691,249	866,939	865,681	82.4	84.1	82.2
South Carolina.....	594,700	340,415	478,045	469,370	475,074	83.9	79.3	79.9
Georgia.....	890,100	555,794	690,918	713,290	742,756	74.0	79.7	83.1
Florida.....	391,100	148,089	225,160	346,434	367,758	82.6	91.5	94.0
East South Central.....	2,955,500	1,910,384	2,137,794	2,434,538	2,478,265	77.2	82.9	83.8
Kentucky.....	759,100	494,863	535,332	558,354	613,119	76.2	78.1	80.8
Tennessee.....	757,500	421,753	619,852	627,747	641,551	87.6	83.5	84.7
Alabama.....	823,100	424,611	569,940	622,985	539,836	74.1	76.2	77.7
Mississippi.....	615,800	469,137	412,670	505,449	581,759	69.8	97.1	94.5
West South Central.....	3,528,000	1,903,625	2,462,181	2,881,420	2,878,711	77.7	82.6	81.5
Arkansas.....	559,600	395,978	483,172	456,185	446,151	85.7	81.5	79.7
Louisiana.....	612,200	263,617	354,079	434,557	447,517	63.5	71.7	73.1
Oklahoma.....	702,400	422,399	589,282	682,050	673,297	92.6	98.2	95.9
Texas.....	1,653,800	821,631	1,035,048	1,308,028	1,309,740	73.4	80.4	79.2
Mountain.....	1,018,349	525,118	794,536	898,248	910,314	90.0	89.4	89.4
Montana.....	141,349	66,141	126,576	120,337	119,134	92.2	85.1	84.3
Idaho.....	127,900	76,168	115,192	120,947	119,123	94.8	95.1	93.1
Wyoming.....	59,100	24,584	43,112	54,505	56,670	91.6	94.3	95.9
Colorado.....	264,200	168,798	220,232	240,482	247,074	95.0	92.2	93.5
New Mexico.....	129,600	56,304	81,399	102,084	109,525	75.4	80.2	84.5
Arizona.....	120,800	31,312	76,505	103,806	97,900	88.0	88.6	81.0
Utah.....	156,000	91,611	117,406	138,046	141,048	87.2	89.8	90.4
Nevada.....	19,400	10,200	14,114	18,041	19,840	91.5	94.9	(^c)
Pacific.....	1,775,500	702,491	1,138,319	1,616,009	1,675,335	97.5	94.5	94.4
Washington.....	362,800	215,688	291,053	344,731	346,993	94.1	96.8	95.6
Oregon.....	118,300	118,412	151,028	202,595	204,792	84.1	94.6	93.8
California.....	1,194,400	368,391	696,238	1,068,683	1,123,550	(^c)	93.8	94.1
Alaska Territory.....	14,200	—	3,360	3,436	5,414	26.8	24.6	38.1
Canal Zone.....	9,800	—	3,486	7,003	7,691	85.4	80.2	78.5
Guam.....	6,100	—	—	3,683	3,464	—	71.0	56.8
Hawaii Territory.....	110,700	—	41,350	71,657	78,663	—	64.0	71.1
Philippine Islands.....	13,600,000	—	935,678	1,121,233	1,224,548	—	34.8	35.0
Puerto Rico.....	545,500	—	180,458	221,248	229,169	—	41.7	41.8
Virgin Islands.....	5,925	—	—	3,061	3,242	—	56.7	54.7
American Samoa.....	3,500	—	—	1,952	2,102	—	65.4	60.1

¹ Includes kindergarten, excludes 47,052 elementary pupils in teacher-training institutions⁴² Excludes kindergartens and, for 1932, also 1,634 pupils in elementary teacher training institutions.³ 1908-9.⁴ Elementary only.⁵ Estimated

PUBLIC AND PRIVATE: ENROLLMENT AND ATTENDANCE

Public elementary and secondary schools—Continued							Private and parochial schools			Division and State or outlying area
Number enrolled, 1932		Average daily attendance	Average days attendance per year per pupil enrolled				Number enrolled ²			
Elementary ¹	Secondary		1932	1910	1920	1930	1932	1910	1920		1932
21, 135, 420	5, 140, 021	22, 245, 344	113 0	121 2	143 0	144 8	1, 558, 437	1, 699, 481	2, 723, 666	C U S
1, 171, 808	363, 595	1, 362, 526	143 6	145 9	160 0	159 5	190, 928	263, 634	367, 424	N E.
128, 258	33, 498	146, 099	118 5	142 4	160 0	161 2	14, 137	16, 698	27, 786	Me
59, 476	16, 955	68, 626	128 6	144 3	159 0	159 6	14, 331	24, 209	34, 056	N. H
53, 613	12, 646	58, 169	125 1	131 6	151 2	153 2	3 6, 000	7, 770	11, 257	Vt
579, 555	202, 070	698, 432	154 2	149 6	163 1	160 7	96, 464	129, 268	197, 107	Mass
97, 971	25, 208	105, 994	148 8	142 9	151 5	156 6	17, 781	23, 662	34, 196	R. I.
252, 935	72, 558	285, 206	143 5	144 1	157 9	158 2	42, 215	62, 027	63, 022	Conn
4, 010, 058	1, 059, 708	4, 385, 673	140 5	145 2	159 3	157 3	507, 072	401, 596	842, 714	M. A.
1, 733, 106	507, 090	1, 958, 164	149 0	148 8	163 4	158 9	267, 072	238, 478	398, 564	N. Y.
666, 563	154, 969	691, 952	138 9	151 3	157 7	154 2	65, 000	40, 124	133, 811	N. J.
1, 610, 389	397, 650	1, 735, 557	133 0	139. 0	155 4	156 6	175, 000	122, 994	310, 339	Pa
3, 825, 373	1, 153, 451	4, 432, 168	130 0	134 9	159 2	158 3	405, 417	534, 830	792, 724	E N C.
1, 004, 016	295, 196	1, 178, 855	131 6	130 7	160 0	158 6	97, 832	107, 828	184, 222	Ohio.
526, 558	161, 071	649, 348	116 8	125 8	155 1	149 0	3 20, 751	26, 279	63, 320	Ind.
1, 077, 755	337, 798	1, 220, 875	133 7	144 9	162 5	163 2	4 167, 929	241, 739	280, 568	Ill
796, 312	200, 513	866, 790	140 0	129 6	161 5	162 2	4 61, 539	82, 243	153, 325	Mich
420, 732	158, 873	510, 270	124 4	138 9	150 3	158 1	57, 366	76, 741	111, 289	Wis.
2, 250, 166	623, 270	2, 503, 679	114 2	127 4	148 9	153 0	132, 608	186, 183	265, 479	W. N C
443, 702	114, 446	475, 174	118 0	125 5	149 1	152 6	21, 000	45, 374	64, 300	Minn
430, 352	124, 989	478, 370	121 4	137 2	147 4	151 8	50, 000	31, 191	47, 064	Iowa
538, 739	145, 091	602, 204	107 7	128 6	158 6	157 3	40, 000	54, 326	77, 601	Mo
133, 519	32, 089	144, 653	94 9	127 4	145 5	145 1	1, 000	6, 288	8, 868	N. Dak
130, 927	33, 987	137, 470	106 0	112 4	149 4	141 1	1, 840	4, 357	11, 085	S. Dak
250, 009	74, 232	281, 888	119 9	122 3	139 6	152 1	3 9, 000	23, 927	26, 078	Nebr
322, 918	98, 436	383, 920	118 5	124 8	143 7	156 7	4 9, 768	20, 720	30, 483	Kans
3, 318, 927	562, 459	3, 178, 967	86 8	98 3	125 3	129 6	105, 962	118, 111	129, 080	S. A.
365, 796	8, 726	38, 784	108 3	129 2	156 6	160 3	3, 750	5, 405	7, 890	Del.
235, 967	52, 202	249, 398	113 7	130 3	158 0	161 7	20, 000	27, 285	51, 938	Md
71, 406	18, 681	73, 470	145 0	143 8	146 5	146 6	6, 000	12, 057	13, 072	D. C
499, 446	83, 538	482, 045	90 4	102 2	131 9	139 3	23, 662	12, 914	12, 664	Va
359, 655	62, 702	367, 616	92 2	102 8	146 6	143 0	1, 500	4, 820	9, 024	W Va.
732, 474	133, 207	728, 265	64 9	91 8	119 7	129 9	3 26, 200	25, 398	11, 622	N. C.
417, 193	57, 881	373, 718	75 4	76 0	109 1	113 5	10, 650	9, 340	5, 444	S. C.
649, 726	93, 030	572, 343	92 5	98 0	111 7	105 9	6, 000	14, 030	9, 684	Ga
315, 284	52, 494	292, 728	80 9	98 0	119 0	133 3	8, 200	6, 562	7, 742	Fla
2, 198, 184	278, 101	1, 904, 879	80 1	84 3	114 7	115 1	32, 052	69, 425	72, 285	E S. C.
184, 174	71, 945	463, 442	79 6	78 7	121 4	117 5	21, 295	18, 578	39, 666	Ky
562, 387	79, 164	502, 978	90 6	98 5	125 3	125 2	37, 124	23, 762	11, 882	Tenn
570, 690	69, 146	508, 837	73 6	79 4	114 0	116 5	16, 133	18, 598	10, 920	Ala.
523, 913	57, 846	429, 422	74 6	76 9	97 7	98 1	3 7, 500	8, 487	9, 817	Miss
2, 388, 471	488, 240	2, 260, 042	82 2	103 4	118 1	124 3	53, 777	56, 171	114, 803	W. S. C
392, 240	53, 911	338, 909	68 6	85 2	108 3	104 7	5, 777	2, 986	7, 402	Ark.
383, 528	63, 989	370, 224	93 9	107 7	121 5	129 1	34, 000	26, 647	51, 344	La
559, 876	113, 421	493, 244	78 8	100 5	119 4	125 4	4, 000	8, 772	10, 218	Okl
1, 052, 827	256, 919	1, 057, 665	86 8	112 0	126 4	128 8	3 10, 000	17, 766	45, 539	Tex.
717, 330	192, 984	764, 883	100 6	120 3	140 5	144 6	34, 377	25, 539	42, 857	Mt
90, 040	29, 094	107, 724	115 5	120 7	151 9	156 4	6, 998	3, 735	7, 042	Mont
90, 605	28, 518	101, 993	91 3	126 9	132 4	144 1	1, 500	3, 000	3, 352	Idaho
43, 188	13, 482	47, 654	101 5	117 4	141 3	147 9	3 116	1, 051	1, 875	Wyo
199, 185	47, 889	199, 165	99 3	114 4	142 8	143 6	4, 000	3, 854	15, 023	Colo
94, 479	15, 046	83, 657	66 4	120 5	128 5	130 4	5, 000	4, 178	9, 162	N Mex
81, 942	15, 958	80, 962	87 3	98 6	128 1	141. 3	9, 913	3, 185	3, 771	Ariz
102, 594	38, 454	127, 331	124 6	138 5	150 7	148 4	6, 500	6, 218	2, 475	Utah
15, 297	4, 543	16, 397	106 0	125. 8	148 5	145. 4	350	318	157	Nev.
1, 257, 123	418, 212	1, 452, 727	132 9	124 5	148 7	153 0	48, 244	43, 992	96, 300	Pac
251, 261	95, 732	287, 727	124 7	128 1	145 0	148 8	7, 209	8, 450	19, 843	Wash
152, 678	52, 114	197, 224	121 8	137 5	140 1	155 3	6, 233	6, 051	10, 627	Oreg
853, 184	270, 366	967, 776	142 0	120 2	151 6	153 9	32, 802	29, 491	65, 930	Calif
4, 477	937	4, 468	-----	132 3	148 7	140 3	-----	-----	930	Alaska
6, 922	769	6, 337	-----	114 2	180 0	176 1	-----	-----	1, 100	C Z
3, 394	70	3, 347	-----	-----	194 7	183 6	-----	-----	148	Guam.
69, 075	9, 538	74, 239	-----	168 3	161 6	172 7	-----	7, 573	12, 617	Hawaii
1, 143, 712	80, 836	1, 118, 155	-----	156 0	172 8	178 1	-----	36, 534	84, 398	P. I.
221, 979	7, 190	202, 113	-----	145 7	167 1	167 8	-----	5, 823	7, 724	P. R
3, 080	162	3, 112	-----	-----	-----	184 5	-----	-----	1, 179	V I
2, 102	-----	-----	-----	-----	-----	-----	-----	-----	369	A. S.

¹ The enrollment in schools in California for 1920 and in District of Columbia and Nevada for 1930 was, respectively, 2 5 percent, 0 8 percent, and 2 3 percent larger than the number of persons 5-17 years of age reported by the Bureau of the Census

² Approximate

³ 1919.

⁴ Enrollment figures from the Bureau of the Census.

Source Office of Education, Department of the Interior

NO. 109.—PUBLIC ELEMENTARY AND SECONDARY SCHOOLS: NUMBER AND SALARY OF TEACHERS

Division and State or outlying area	Number of teachers ¹				Per cent of teachers male		Salaries of teachers, supervisors, and principals			
	1910	1920	1930	1932	1910	1932	Total, 1932 (1,000 dollars)	Average annual salary (dollars)		
								1920	1930	1932
Continental U. S.	523,210	679,533	854,283	871,807	21 1	17 7	1,265,444	871	1,420	1,417
New England	36,723	43,480	52,642	53,917	8 8	14 1	92,854	1,064	1,636	1,665
Maine	7,457	7,020	6,547	6,505	11 2	13 3	6,020	603	942	952
New Hampshire	3,040	3,047	3,051	3,026	7 1	14 0	3,877	759	1,254	1,258
Vermont	3,257	2,902	2,978	2,865	8 9	9 7	2,863	667	963	931
Massachusetts	15,321	19,085	26,229	27,463	9 1	16 6	52,001	1,262	1,875	1,845
Rhode Island	2,371	2,971	4,026	4,254	8 9	13 3	7,123	1,070	1,437	1,599
Connecticut	5,277	8,455	9,811	9,804	6 2	9 4	20,970	1,124	1,812	1,970
Middle Atlantic	92,657	123,254	165,475	171,791	15 9	15 6	361,829	1,133	2,103	2,126
New York	45,074	61,703	82,204	85,830	11 7	14 3	198,282	1,256	2,493	2,494
New Jersey	12,087	17,440	25,555	26,732	12 3	13 3	61,206	1,282	2,113	2,192
Pennsylvania	35,496	44,111	57,716	59,229	22 6	18 4	102,341	920	1,620	1,630
East North Central	107,208	128,955	165,836	167,083	22 8	20 7	266,785	1,010	1,568	1,536
Ohio	27,841	33,751	41,432	42,704	31 1	23 1	68,557	1,088	1,665	1,573
Indiana	17,207	17,209	21,847	21,502	35 7	26 4	34,856	964	1,466	1,497
Illinois	29,854	36,599	47,766	47,472	18 5	19 1	77,859	1,081	1,630	1,598
Michigan	17,987	24,302	34,552	34,660	14 0	18 8	55,133	911	1,534	1,522
Wisconsin	14,729	17,094	20,239	20,755	11 8	17 1	30,380	915	1,396	1,388
West North Central	99,138	117,051	122,294	121,241	15 5	15 4	141,689	797	1,134	1,133
Minnesota	15,157	19,575	22,169	21,048	12 0	11 3	28,253	882	1,251	1,305
Iowa	27,598	27,690	24,585	24,803	9 8	12 1	27,859	827	1,094	1,096
Missouri	18,365	21,126	24,200	24,588	26 4	19 6	30,233	797	1,235	1,230
North Dakota	7,387	8,975	8,556	8,607	17 4	12 3	7,669	723	900	900
South Dakota	6,065	7,853	8,943	8,752	16 6	16 1	8,731	696	956	944
Nebraska	11,099	14,873	14,400	14,325	11 9	11 9	15,920	765	1,483	1,051
Kansas	13,467	16,989	19,141	19,118	18 0	19 6	23,024	761	1,159	1,123
South Atlantic	62,187	84,688	112,005	112,335	26 3	16 7	106,856	560	945	929
Delaware	993	1,134	1,420	1,520	13 7	14 5	2,599	848	1,170	1,681
Maryland	5,514	6,675	8,745	8,800	17 1	16 0	13,549	902	1,518	1,523
Dist. of Columbia	1,631	2,096	2,722	2,751	11 2	12 4	6,768	1,359	2,369	2,440
Virginia	10,443	14,271	18,477	16,719	19 9	12 0	14,824	846	961	859
West Virginia	8,782	11,221	15,837	16,381	48 0	30 2	18,172	639	1,023	1,085
North Carolina	11,216	16,852	23,375	22,505	28 5	15 2	18,633	464	873	799
South Carolina	6,968	9,699	13,398	13,053	23 1	14 9	8,813	464	788	668
Georgia	12,625	15,921	19,071	19,534	24 4	15 2	13,577	426	684	690
Florida	4,015	6,819	10,960	11,072	27 5	13 2	9,921	518	876	867
East South Central	40,308	51,145	65,992	68,269	36 3	21 8	52,493	423	804	761
Kentucky	11,100	13,348	15,923	16,420	41 7	25 8	14,608	413	896	835
Tennessee	10,286	13,277	18,331	19,238	37 0	22 2	15,575	494	902	826
Alabama	8,756	12,558	17,130	17,079	35 0	17 4	12,121	484	792	710
Mississippi	10,166	11,962	15,138	15,532	31 0	21 7	10,179	291	620	665
West South Central	46,023	63,832	80,637	84,008	31 8	18 6	78,807	643	923	893
Arkansas	9,522	10,476	12,990	11,694	47 0	27 0	7,087	477	673	593
Louisiana	6,286	8,966	12,173	12,445	21 4	15 4	11,174	723	941	895
Oklahoma	9,473	15,339	19,807	18,160	26 2	20 3	20,008	768	1,070	1,102
Texas	20,742	29,001	35,667	41,709	30 8	16 4	40,638	612	924	912
Mountain	15,974	30,130	35,336	35,012	19 5	19 7	46,110	958	1,330	1,282
Montana	2,250	7,215	6,422	6,105	12 0	14 9	7,066	958	1,215	1,184
Idaho	2,232	3,982	4,500	4,584	25 5	25 0	5,345	932	1,200	1,166
Wyoming	5,200	2,232	2,751	2,773	12 8	16 0	3,542	869	1,289	1,290
Colorado	1,474	2,744	3,806	3,806	15 6	19 0	13,596	929	1,453	1,386
New Mexico	1,474	2,752	3,400	3,278	34 4	19 2	4,077	803	1,113	1,050
Arizona	851	1,955	3,273	3,457	17 0	18 3	5,548	1,279	1,637	1,605
Utah	2,369	3,904	4,452	4,115	26 6	26 2	5,612	992	1,330	1,239
Nevada	489	704	794	894	10 8	19 1	1,826	1,163	1,483	1,483
Pacific	22,992	38,998	54,116	57,941	16 8	17 3	113,031	1,182	1,949	1,968
Washington	7,179	9,877	11,140	11,045	20 8	17 7	17,988	1,229	1,556	1,553
Oregon	4,453	7,778	6,208	7,876	19 4	14 1	11,330	979	1,612	1,439
California	11,369	19,343	36,768	39,020	13 8	17 6	88,713	1,272	2,123	2,189
Alaska Territory		164	154	254		18 5		1,325	1,728	
American Samoa			26	24		91 7	15		444	475
Canal Zone		102	175	209		48 8	341	1,324	1,541	1,572
Guam			125	135		42 2	43		315	272
Hawai Territory		1,326	2,241	2,555		18 3	4,713	1,181	1,812	1,769
Philippine Islands		21,254	26,167	28,499		52 1				
Puerto Rico		3,832	4,451	4,601		26 4	4,046	635	848	882
Virgin Islands			112	121		33 1	75		572	644

¹ Includes some superintendents, principals, and supervisors, some States not reporting them separately.

² Includes 231 part-time teachers ³ Estimated ⁴ 1919 ⁵ 1930. ⁶ Based on 1930 expenditures

Source: Office of Education, Department of the Interior.

No. 110.—PUBLIC ELEMENTARY AND SECONDARY SCHOOLS: EXPENDITURES

NOTE.—Figures include new buildings as well as operation and equipment expenditures. Expenditures per capita of total population for outlying territories and possessions for 1932 were as follows: Alaska, \$11 75, Canal Zone, \$25 38, Guam, \$3 52, Hawaii, \$15 06, Philippine Islands, \$1.23, Puerto Rico, \$3 35; Virgin Islands, \$5 23, American Samoa, \$1 80

Division and State	Total expenditures (thousands of dollars)				Per capita of total population (dollars)				Per capita of population 5-17, inclusive (dollars)			
	1910	1920	1930	1932	1910	1920	1930	1932	1910	1920	1930	1932
Continental U. S.	428,250	1,036,151	2,316,790	2,174,651	4 64	9 80	18 87	17 42	17 58	37 37	73 38	67 89
New England	34,270	75,788	159,625	159,143	5 23	10 24	19 55	19 27	23 14	44 38	81 24	79 74
Maine	2,934	6,404	11,186	11,041	3 95	8 34	14 03	13 79	17 26	35 49	57 13	55 89
New Hampshire	1,654	3,811	6,919	7,137	3 84	8 60	14 07	15 25	17 31	38 19	63 34	64 65
Vermont	1,609	3,588	5,660	4,671	4 52	10 18	15 74	12 98	19 42	42 62	64 64	53 08
Massachusetts	20,136	40,909	80,891	88,306	5 98	10 62	20 45	20 55	26 80	46 75	86 92	87 04
Rhode Island	2,487	4,766	13,260	14,252	4 59	7 89	19 29	20 42	19 80	33 33	78 05	82 33
Connecticut	5,450	16,318	35,709	33,733	4 91	11 82	22 22	20 64	21 31	50 12	88 66	81 88
Middle Atlantic	108,915	220,448	681,780	640,762	5 64	9 90	25 20	23 98	23 72	40 97	104 67	99 47
New York	51,862	106,045	360,854	351,017	5 09	10 21	28 67	27 31	25 02	44 90	129 21	123 40
New Jersey	17,065	40,910	117,634	111,100	6 72	12 96	29 11	26 78	28 03	53 27	119 39	109 86
Pennsylvania	39,988	73,491	183,242	178,645	5 22	8 43	19 03	18 34	20 94	32 64	71 86	69 09
East North Central	99,833	247,489	536,770	476,233	5 47	11 52	21 22	18 49	22 08	47 93	88 11	76 77
Ohio	25,500	67,427	145,910	124,053	5 35	11 71	21 95	18 37	22 63	50 63	91 22	76 03
Indiana	14,911	35,765	63,330	57,984	5 52	12 10	19 56	17 71	22 10	50 18	80 82	73 21
Illinois	34,036	69,358	154,142	140,755	6 04	10 69	20 20	18 12	24 53	44 32	87 07	78 42
Michigan	14,597	47,684	119,300	100,206	5 20	13 00	24 64	20 11	21 12	54 69	99 83	81 22
Wisconsin	10,789	27,255	54,088	53,285	4 64	10 36	18 40	17 90	16 84	39 93	72 71	70 93
West North Central	65,200	173,038	255,941	230,166	5 60	13 80	19 25	17 19	21 03	55 15	76 05	68 12
Minnesota	13,724	35,734	51,600	49,672	6 60	14 97	20 13	19 22	24 41	58 04	78 53	75 02
Iowa	12,767	37,334	50,737	44,615	5 76	15 53	20 63	18 00	21 85	62 44	82 53	72 33
Missouri	13,067	28,707	55,907	50,057	3 97	8 43	15 40	13 69	15 20	33 41	65 00	58 19
North Dakota	4,550	12,883	16,446	13,435	7 89	19 92	24 16	19 61	28 02	64 81	80 61	65 66
South Dakota	3,825	11,593	15,342	14,176	6 58	18 21	22 00	20 25	23 66	65 43	78 28	71 70
Nebraska	7,454	20,580	27,144	24,785	6 27	15 88	19 70	17 86	23 04	59 75	75 89	69 00
Kansas	9,813	26,257	38,805	33,426	5 81	14 84	20 63	17 65	21 95	56 71	81 44	69 91
South Atlantic	28,763	73,475	184,089	172,977	2 19	5 25	11 66	10 80	7 23	17 37	39 33	36 53
Delaware	605	1,677	5,090	6,355	3 00	7 52	21 35	26 48	12 09	31 91	88 35	109 19
Maryland	3,792	8,242	24,672	25,972	2 92	5 69	15 12	15 71	11 16	22 81	61 29	63 73
Dist. of Col.	2,680	4,297	12,666	13,954	8 10	9 82	26 02	28 30	40 68	55 45	143 76	156 09
Virginia	4,408	12,975	23,836	22,318	2 15	5 62	9 76	9 17	7 04	18 82	32 99	31 01
West Virginia	4,094	11,402	28,219	25,532	3 36	7 79	16 32	14 50	11 59	26 28	54 24	48 12
North Carolina	3,038	12,148	37,274	30,098	1 38	4 75	11 76	9 28	4 28	14 48	36 18	28 57
South Carolina	1,952	6,627	15,327	12,491	1 29	3 94	8 81	7 16	3 86	11 63	25 89	21 00
Georgia	4,420	9,076	18,677	19,237	1 70	3 13	6 42	6 61	5 30	9 72	20 87	21 61
Florida	1,774	7,031	18,528	17,020	2 36	7 26	12 62	11 14	8 21	25 79	48 96	43 52
East South Central	15,683	32,852	84,627	80,088	1 86	3 69	8 56	8 00	6 05	11 86	28 83	27 10
Kentucky	5,649	8,117	22,939	21,755	2 47	3 36	8 77	8 25	8 39	11 56	30 46	28 66
Tennessee	4,403	10,141	22,655	22,015	2 02	4 34	8 66	8 31	6 71	14 33	30 12	29 06
Alabama	2,905	9,119	21,643	18,292	1 36	3 85	8 18	6 82	4 28	11 85	26 48	22 22
Mississippi	2,726	5,475	17,390	18,026	1 52	3 06	8 65	8 85	4 66	9 26	28 36	29 27
West South Central	25,955	75,588	148,935	139,908	2 95	7 38	12 07	11 27	9 48	23 85	42 11	39 66
Arkansas	3,187	7,707	14,147	11,656	2 04	4 40	7 63	6 24	6 45	13 67	25 26	20 83
Louisiana	4,252	11,367	21,836	20,692	2 57	6 32	10 39	9 68	8 20	20 39	36 01	33 80
Oklahoma	6,739	22,905	32,802	28,781	4 07	11 29	13 69	11 80	13 25	36 00	47 17	40 98
Texas	11,777	33,606	78,150	78,779	3 02	7 21	13 42	13 21	9 65	23 81	48 01	47 64
Mountain	16,282	57,845	87,029	77,670	6 18	17 34	23 51	20 72	25 02	65 53	86 65	76 27
Montana	2,634	12,208	13,671	11,808	7 01	22 24	25 43	21 94	32 54	88 88	96 72	83 50
Idaho	2,175	8,592	10,326	8,628	6 68	19 89	23 20	19 30	25 32	70 68	81 18	67 46
Wyoming	796	3,742	6,483	5,806	5 46	19 25	28 74	25 35	26 42	79 50	112 17	98 24
Colorado	5,211	13,200	24,499	23,702	6 52	14 05	23 65	22 64	27 87	56 94	93 96	89 71
New Mexico	793	4,140	6,799	6,779	2 43	11 49	16 06	15 73	8 36	38 33	53 40	62 31
Arizona	1,001	6,339	10,853	9,211	4 91	18 97	24 92	20 56	19 98	72 91	92 59	76 25
Utah	3,053	8,240	11,643	9,305	8 19	18 34	22 93	18 07	28 16	61 22	75 79	69 65
Nevada	619	1,384	2,755	2,436	7 57	16 59	30 26	26 19	46 09	89 75	144 95	125 57
Pacific	33,350	79,873	200,044	197,654	7 96	14 29	24 21	23 23	38 78	68 13	116 96	111 32
Washington	10,493	20,895	33,528	30,686	9 21	15 18	21 45	19 32	41 94	66 59	93 91	84 58
Oregon	4,646	9,938	19,873	17,156	6 90	12 76	20 52	17 61	31 46	55 67	91 39	78 59
California	18,211	48,980	146,943	149,812	7 66	14 29	25 85	25 19	39 40	72 12	128 99	125 43

¹ Figure for 1919

Source. Office of Education, Department of the Interior.

No. 111.—PUBLIC ELEMENTARY AND SECONDARY SCHOOLS: ENROLLMENT OF WHITE AND COLORED SCHOOL POPULATION IN 18 STATES

State	Enrollment in elementary and secondary schools				Ratio of enrollment in public schools to school population				Average number of days attended by each pupil enrolled, 1932	
	White		Colored		White		Colored		White	Colored
	1930	1932	1930	1932	1930	1932	1930	1932		
Total	7, 444, 731	7, 562, 872	2, 282, 578	2, 353, 320	0 894	0 824	0 786	0 810	133	108
Delaware.....	35, 629	37, 615	6, 731	6, 907	785	751	840	853	162	153
Maryland.....	225, 769	234, 039	51, 690	54, 130	762	695	738	766	165	147
District of Columbia.....	53, 934	59, 698	27, 031	30, 389	984	952	1 043	1 138	147	146
Virginia.....	409, 310	422, 957	153, 646	160, 025	911	827	735	768	144	128
West Virginia.....	369, 367	396, 583	26, 138	25, 774	825	793	895	853	(1)	(1)
North Carolina.....	607, 344	599, 900	259, 595	265, 781	972	822	817	821	137	114
South Carolina.....	248, 200	251, 364	221, 170	223, 710	984	824	757	772	137	86
Georgia.....	468, 249	479, 655	245, 041	263, 101	976	869	710	778	114	90
Florida.....	254, 575	266, 201	91, 859	101, 557	1 079	964	815	883	135	130
Tennessee.....	514, 345	527, 954	113, 402	113, 597	825	839	825	885	126	121
Alabama.....	428, 257	432, 699	194, 731	207, 137	938	817	662	706	124	101
Mississippi.....	302, 640	292, 634	292, 809	289, 125	1 218	969	933	922	122	74
Missouri.....	619, 854	645, 559	36, 219	38, 271	830	793	803	828	(1)	(1)
Arkansas.....	351, 076	345, 542	105, 109	100, 609	937	820	755	729	112	81
Louisiana.....	277, 707	286, 988	156, 560	160, 529	731	745	693	707	147	97
Oklahoma.....	633, 369	622, 999	49, 281	50, 298	1 075	954	1 003	1, 018	126	120
Texas.....	1, 104, 288	1, 095, 350	203, 740	214, 398	794	776	844	883	134	104
Kentucky.....	540, 818	565, 135	47, 536	47, 984	852	802	871	887	(1)	(1)

¹ Data not available

No. 112.—PUBLIC HIGH SCHOOLS: TEACHERS AND PUPILS, 1930

NOTE.—Data include seventh and eighth grade pupils in junior high schools See headnote, Table 105

Division and State or outlying area	Number reporting	Teachers	Pupils		Division and State or outlying area	Number reporting	Teachers	Pupils	
			Male	Female				Male	Female
Cont'l U S	22, 237	213, 306	2, 522, 816	2, 689, 363	S Atl—Contd				
New England	919	15, 049	176, 749	184, 116	Georgia.....	444	2, 583	29, 013	36, 700
Maine.....	217	1, 362	14, 592	16, 081	Florida.....	260	2, 542	26, 395	30, 937
N Hampshire.....	105	867	9, 133	9, 814	E. S Central	2, 293	11, 377	126, 418	150, 922
Vermont.....	85	545	5, 914	6, 644	Kentucky.....	682	3, 143	33, 517	39, 474
Massachusetts.....	371	8, 617	103, 389	106, 275	Tennessee.....	588	2, 932	34, 016	42, 170
Rhode Island.....	33	1, 073	13, 224	13, 531	Alabama.....	373	2, 905	34, 573	39, 918
Connecticut.....	108	2, 590	30, 497	31, 771	Mississippi.....	650	2, 397	24, 312	29, 360
Mid. Atlantic	2, 327	43, 023	568, 925	556, 989	W. S Central	2, 746	13, 195	211, 434	237, 160
New York.....	943	20, 437	295, 278	276, 982	Arkansas.....	370	2, 231	28, 260	31, 404
New Jersey.....	215	6, 063	74, 399	72, 435	Louisiana.....	341	1, 981	20, 605	25, 720
Pennsylvania.....	1, 169	16, 523	199, 248	207, 572	Oklahoma.....	816	5, 092	58, 182	64, 299
E. N Central	4, 245	47, 521	568, 488	588, 786	Texas.....	1, 219	8, 801	104, 387	115, 757
Ohio.....	1, 241	13, 326	166, 207	171, 306	Mountain	1, 018	8, 563	96, 621	104, 069
Indiana.....	819	7, 791	84, 647	86, 071	Montana.....	200	1, 235	12, 812	15, 082
Illinois.....	1, 000	11, 933	146, 480	144, 921	Idaho.....	172	1, 171	13, 351	14, 820
Michigan.....	701	9, 289	111, 356	118, 124	Wyoming.....	94	604	5, 062	6, 944
Wisconsin.....	454	5, 182	59, 718	66, 374	Colorado.....	228	2, 651	28, 330	30, 203
W. N Central	4, 590	28, 889	307, 991	350, 085	New Mexico.....	120	616	6, 823	7, 385
Minnesota.....	563	5, 268	56, 716	69, 217	Arizona.....	57	729	8, 088	8, 075
Iowa.....	950	6, 494	67, 645	75, 247	Utah.....	113	1, 345	18, 827	19, 240
Missouri.....	1, 002	5, 591	66, 627	71, 478	Nevada.....	34	202	2, 428	2, 340
North Dakota.....	408	1, 356	13, 145	17, 548	Pacific	1 105	19, 550	229, 889	231, 624
South Dakota.....	334	1, 603	14, 311	18, 204	Washington.....	346	3, 560	40, 223	48, 866
Nebraska.....	598	3, 281	34, 979	39, 737	Oregon.....	284	2, 085	26, 075	26, 461
Kansas.....	726	5, 276	54, 568	58, 654	California.....	475	13, 905	157, 591	156, 297
S Atlantic	2, 994	21, 169	236, 291	287, 562	Alaska.....	15	57	416	428
Delaware.....	30	370	4, 301	4, 836	Canal Zone.....	2	28	470	447
Maryland.....	195	2, 248	26, 944	30, 677	Guam.....	1	2	22	12
D C.....	21	956	10, 826	12, 225	Hawaii.....	13	344	4, 491	3, 780
Virginia.....	462	2, 956	32, 756	42, 352	Philippine Is.....	52	831	24, 075	16, 017
West Virginia.....	361	3, 011	33, 689	37, 752	Puerto Rico.....	17	181	1, 855	1, 933
N Carolina.....	883	4, 512	52, 113	66, 597	Virgin Islands.....	3	15	167	166
S Carolina.....	338	1, 991	20, 254	25, 486					

Source of Tables 111 and 112 Office of Education, Department of the Interior.

No. 113.—SCHOOL STATISTICS OF NONCONTIGUOUS TERRITORIES AND POSSESSIONS

	1899- 1900 ¹	1909-10	1919-20	1929-30	1930-31	1931-32	1932-33
HAWAII TERRITORY							
Public schools							
Number.....	140	152	173	181	183	181	184
Teachers.....	352	486	1,161	2,563	2,656	2,686	2,636
Male.....	112	106	143	469	491	507	514
Female.....	240	380	1,018	2,094	2,165	2,179	2,122
Pupils ²	11,501	19,909	38,295	73,180	76,530	78,663	80,161
Male.....	6,339	10,937	20,044	37,682	39,430	40,944	41,772
Female.....	5,162	8,972	18,251	35,498	37,100	37,719	38,389
Hawaiian.....	4,977	4,381	3,293	3,321	3,206	3,006	2,939
Part-Hawaiian.....	2,631	3,842	4,100	7,979	8,073	8,245	8,558
Anglo-Saxon.....	1,250	1,505	1,033	2,993	3,210	3,352	3,565
Spanish.....			379	258	253	299	268
Portuguese.....	3,809	4,662	5,304	6,091	5,881	5,737	5,662
Japanese.....	1,352	7,078	17,541	39,115	41,251	42,864	43,606
Chinese.....	1,289	2,855	3,721	6,706	6,826	6,733	6,643
Puerto Rican.....		372	1,068	1,163	1,257	1,298	1,376
Korean.....		260	508	1,719	1,859	1,934	2,021
Filipino.....			941	3,344	3,807	4,156	4,383
All other.....	229	582	407	791	907	1,009	1,140
PUERTO RICO							
Population.....	953,243	\$1,118,012	\$1,299,809	\$1,544,000	\$1,573,700	\$1,597,500	\$1,621,300
Persons of 5-17 years.....	322,393	\$361,967	\$438,743	\$530,148	\$541,300	\$550,200	\$559,100
Persons attending school.....	25,528	121,453	184,991	221,248	226,215	229,169	233,457
Teachers.....	525	1,692	3,286	4,451	4,523	4,601	4,638
Public-school buildings.....	(³)	751	569	1,080	1,078	1,096	(³)
Rented buildings.....	(³)	274	1,234	1,170	914	901	(³)
Schoolrooms.....	525	(³)	3,006	4,690	4,462	4,477	(³)
School expenditures.....	\$288,098	\$1,244,502	\$3,150,761	\$5,974,936	\$6,170,494	\$6,377,019	(³)
For university.....			\$188,684	\$587,615	\$615,920	\$847,319	(³)
Expenditures per inhabitant.....	\$0 30	\$1 11	\$2 42	\$3 87	\$3 92	\$3 99	(³)
PHILIPPINE ISLANDS							
Schools.....	2,285	4,531	5,944	7,821	7,761	7,641	-----
Primary.....	2,233	4,295	5,280	7,694	7,636	7,516	-----
Intermediate.....	17	198	614				-----
Secondary.....	35	38	50	127	125	125	-----
Teachers.....	4,641	9,007	17,575	28,519	28,469	27,252	-----
American.....	787	732	341	263	260	219	-----
Filipino.....	3,854	8,275	17,234	28,256	28,209	27,033	-----
Average monthly enrollment.....	⁷ \$227,600	⁸ \$451,938	678,956	1,100,896	1,155,793	1,143,864	-----
ALASKA TERRITORY							
Native schools ¹⁰							
Number.....	25	77	67	93	105	104	103
Pupils enrolled.....	1,753	3,964	3,610	3,899	4,206	4,386	4,618
Average attendance.....		1,692	2,367	3,029	3,172	3,332	3,156
Teachers.....	27	103	138	195	219	219	212
Teachers' salaries.....	\$18,341	\$85,834	\$122,014	\$229,667	\$268,824	\$291,631	\$294,251
Total cost.....	\$29,274	\$195,613	\$249,456	\$580,400	\$614,625	\$749,956	\$506,924
White schools. ¹¹							
Teachers.....			163	253	259	263	(⁹)
Pupils enrolled.....		¹² 621	3,418	5,066	5,304	5,395	(⁹)
Average attendance.....			¹³ 1,635	4,167	4,459	4,601	(⁹)
Expenditures.....		¹² \$36,486	\$330,038	\$594,662	\$595,193	\$604,887	(⁹)

¹ Statistics for Puerto Rico are for 1898-99, for Philippine Islands, for 1903-4² Figures by race for 1899-1900 include 4,036 pupils in private schools, and for 1909-10, 5,628, thereafter, all figures are for public schools only. The number of pupils in private schools in 1919-20 was 7,406, 1929-30, 11,835, 1930-31, 12,178, 1931-32, 12,617, and 1932-33, 12,589.³ Censuses of 1910, 1920, and 1930, respectively⁴ Census estimates as of July 1.⁵ No school buildings on the island, the 523 schools in operation being conducted, as a rule, in teachers' residences.⁶ Not available. ⁷ March. ⁸ Highest monthly enrollment.⁹ September¹⁰ Statistics for 1899-1900 are for all public schools¹¹ Including mixed schools outside of incorporated towns and districts.¹² Native and mixed schools outside of incorporated towns only¹³ Mixed and white schools outside of incorporated towns not included

Sources. Hawaii and Puerto Rico, reports of the Governor of Hawaii and Puerto Rico, respectively. Philippine Islands, reports of the director of education. Alaska, native schools, Office of Education. Department of the Interior; white schools, reports of the Governor of Alaska

No. 114.—UNIVERSITIES, COLLEGES, AND

Division and State or outlying area	Number of in- stitu- tions, 1932	Faculty, 1932		Students of college grade							Arts and sci- ences, 1932	
				Total enrollment, excluding duplicates								
		Male	Female	1920	1930	1932 ¹			Undergraduate			
						Total	Male	Female	Male	Female		
Continental U. S.	1, 171	67, 164	22, 020	462, 445	924, 275	989, 757	616, 843	372, 914	292, 702	232, 976		
New England.....	62	7, 486	1, 448	42, 626	71, 808	70, 189	50, 162	20, 007	21, 218	12, 829		
Maine.....	5	356	90	2, 647	3, 310	3, 682	2, 714	968	1, 747	774		
New Hampshire.....	4	521	61	2, 668	3, 943	4, 438	3, 761	677	2, 849	558		
Vermont.....	4	275	78	1, 533	2, 319	2, 395	1, 552	843	1, 054	726		
Massachusetts.....	33	5, 039	955	29, 464	50, 352	48, 119	33, 055	15, 064	9, 471	9, 262		
Rhode Island.....	3	245	29	1, 738	3, 653	3, 036	2, 250	786	1, 435	524		
Connecticut.....	13	1, 030	235	4, 576	8, 031	8, 499	6, 830	1, 669	4, 662	985		
Middle Atlantic.....	162	15, 535	3, 822	96, 620	220, 877	251, 421	180, 451	90, 970	61, 629	37, 976		
New York.....	68	8, 589	2, 282	56, 723	143, 278	170, 902	103, 650	67, 352	41, 833	28, 191		
New Jersey.....	16	1, 037	213	3, 950	11, 162	10, 007	8, 078	1, 929	4, 276	1, 820		
Pennsylvania.....	68	5, 909	1, 327	35, 947	66, 437	70, 512	48, 823	21, 689	15, 520	7, 965		
East North Central.....	188	11, 968	3, 473	112, 177	207, 093	203, 310	126, 729	76, 581	58, 743	45, 577		
Ohio.....	54	3, 509	1, 366	29, 565	64, 650	58, 464	34, 282	24, 182	17, 313	12, 648		
Indiana.....	27	1, 527	386	14, 777	21, 438	22, 456	15, 716	6, 740	7, 239	4, 806		
Illinois.....	59	3, 799	861	40, 405	71, 857	67, 218	42, 768	24, 450	19, 409	16, 005		
Michigan.....	30	2, 002	516	14, 337	32, 391	38, 086	23, 164	14, 922	9, 619	7, 121		
Wisconsin.....	18	1, 129	344	13, 093	16, 757	17, 086	10, 799	6, 287	5, 163	4, 397		
West North Central.....	206	7, 689	3, 024	67, 820	105, 068	111, 672	67, 725	43, 947	34, 511	29, 181		
Minnesota.....	30	1, 602	539	14, 372	21, 263	23, 138	14, 130	9, 008	7, 336	5, 947		
Iowa.....	56	1, 661	731	15, 836	20, 848	21, 707	13, 342	8, 365	7, 580	5, 929		
Missouri.....	51	1, 926	630	13, 694	23, 990	28, 169	17, 648	10, 621	7, 643	7, 034		
North Dakota.....	5	350	81	2, 018	4, 006	4, 147	2, 612	1, 535	1, 182	737		
South Dakota.....	11	353	145	2, 612	4, 134	4, 371	2, 531	1, 840	1, 436	1, 490		
Nebraska.....	17	756	322	8, 075	13, 245	12, 261	7, 184	5, 077	3, 114	2, 537		
Kansas.....	36	1, 041	526	11, 213	17, 582	17, 879	10, 378	7, 501	6, 220	5, 437		
South Atlantic.....	175	7, 963	3, 437	51, 517	97, 065	102, 435	65, 890	37, 095	31, 951	28, 488		
Delaware.....	2	98	43	498	711	804	483	321	256	197		
Maryland.....	19	1, 515	377	8, 594	13, 813	14, 129	11, 062	3, 067	2, 732	2, 594		
Dist. of Columbia.....	12	831	125	9, 368	15, 202	16, 620	11, 543	5, 077	4, 229	2, 996		
Virginia.....	30	1, 381	688	8, 002	14, 566	17, 021	11, 113	5, 908	6, 931	5, 181		
West Virginia.....	10	458	164	2, 955	6, 433	5, 791	3, 536	2, 255	2, 321	1, 700		
North Carolina.....	40	1, 266	806	7, 509	16, 311	17, 862	10, 752	7, 110	7, 662	6, 403		
South Carolina.....	21	630	401	5, 013	10, 326	10, 226	5, 135	5, 091	2, 905	4, 368		
Georgia.....	31	1, 037	495	7, 799	13, 846	13, 463	8, 098	5, 365	3, 351	3, 364		
Florida.....	10	697	338	1, 779	5, 857	6, 569	3, 668	2, 901	1, 564	1, 685		
East South Central.....	101	3, 288	1, 628	17, 147	42, 160	46, 155	26, 179	19, 976	15, 036	16, 001		
Kentucky.....	30	872	362	4, 363	10, 200	11, 941	6, 784	5, 157	3, 732	4, 307		
Tennessee.....	32	1, 212	508	5, 143	14, 552	15, 393	8, 473	6, 920	5, 025	5, 034		
Alabama.....	12	669	321	4, 130	9, 842	11, 273	7, 073	4, 200	3, 236	3, 005		
Mississippi.....	27	515	437	3, 511	7, 566	7, 548	3, 849	3, 699	3, 043	3, 655		
West South Central.....	134	4, 805	2, 209	26, 372	67, 448	72, 088	40, 385	31, 753	22, 823	24, 963		
Arkansas.....	20	545	293	2, 207	5, 325	6, 432	3, 767	2, 665	2, 842	2, 319		
Louisiana.....	12	1, 026	407	3, 606	9, 400	11, 158	6, 701	4, 487	2, 845	2, 725		
Oklahoma.....	23	907	451	5, 139	14, 589	16, 985	9, 398	7, 587	4, 390	4, 654		
Texas.....	79	2, 327	1, 058	15, 420	38, 134	37, 513	20, 469	17, 044	12, 746	15, 265		
Mountain.....	46	2, 215	778	11, 410	28, 765	33, 361	21, 011	12, 350	9, 970	7, 288		
Montana.....	6	266	85	1, 481	3, 203	3, 630	2, 351	1, 279	1, 582	1, 050		
Idaho.....	6	282	88	1, 239	2, 971	3, 802	2, 670	1, 132	1, 352	779		
Wyoming.....	1	161	66	375	1, 177	1, 402	828	574	361	191		
Colorado.....	15	656	229	3, 712	8, 835	10, 265	6, 421	3, 844	2, 502	2, 613		
New Mexico.....	4	196	43	825	1, 874	2, 068	1, 360	708	574	225		
Arizona.....	3	204	69	1, 088	2, 743	2, 943	1, 783	1, 160	1, 121	647		
Utah.....	9	359	175	2, 260	6, 916	8, 199	4, 979	3, 220	2, 168	1, 339		
Nevada.....	1	91	23	430	1, 046	1, 052	619	433	310	339		
Pacific.....	108	6, 257	2, 201	36, 756	84, 191	98, 096	58, 861	40, 235	36, 821	30, 828		
Washington.....	15	893	349	7, 865	15, 127	15, 049	9, 198	5, 851	5, 417	4, 520		
Oregon.....	13	742	208	7, 136	9, 747	9, 478	6, 029	3, 444	1, 863	1, 568		
California.....	80	4, 622	1, 644	21, 755	59, 317	74, 574	43, 634	30, 940	29, 541	24, 740		
Alaska.....	1	17	7	---	86	144	91	53	41	51		
Hawaii.....	1	152	75	171	965	2, 017	895	1, 122	387	195		
Puerto Rico.....	1	94	45	644	1, 284	1, 631	899	732	189	101		
Philippine Islands.....	1	9	1	---	6, 648	207	110	97	110	97		

¹ Includes special and unclassified students not shown separately² Includes professional in all departments For detailed classification see Table 115.

PROFESSIONAL SCHOOLS: BY STATES

Students of college grade—Continued						Preparatory 1932		Total receipts exclusive of additions to endowments (thousands of dollars)		Division and State or outlying area
Arts and sci- ences, 1932—Con.		Professional, 1932 *								
Graduate		Undergraduate		Graduate						
Male	Female	Male	Female	Male	Female	Male	Female	1930	1932	
25, 943	16, 710	257, 342	84, 407	24, 436	9, 864	19, 372	14, 378	567, 618	563, 632	Continental U.S.
3, 053	1, 476	22, 517	5, 124	2, 817	436	686	326	76, 208	73, 915	New England
21	22	879	146	21	1	9	9	2, 774	2, 938	Maine
66	22	727	97	-----	-----	81	51	3, 519	3, 957	New Hampshire.
24	18	457	90	7	1	-----	-----	2, 051	2, 165	Vermont
2, 035	1, 117	18, 515	4, 304	2, 606	357	596	261	42, 371	42, 399	Massachusetts.
233	105	560	157	12	-----	-----	-----	2, 577	2, 645	Rhode Island
674	192	1, 379	330	171	77	-----	-----	22, 916	19, 811	Connecticut.
6, 505	4, 437	71, 158	24, 675	8, 201	5, 540	3, 561	4, 361	122, 130	131, 329	Middle Atlantic.
4, 297	3, 044	46, 844	17, 516	6, 097	4, 960	2, 480	3, 775	69, 199	79, 327	New York
407	46	1, 097	49	174	2	31	70	8, 263	11, 159	New Jersey
1, 801	1, 347	23, 217	7, 110	1, 930	578	1, 051	516	44, 668	40, 843	Pennsylvania.
6, 608	3, 322	54, 410	20, 939	6, 201	1, 128	3, 431	2, 238	120, 972	107, 313	East North Central.
1, 756	733	14, 184	9, 748	2, 903	423	1, 067	637	34, 484	28, 980	Ohio
608	251	7, 687	1, 537	150	26	388	66	15, 122	15, 624	Indiana
2, 534	1, 256	19, 155	4, 682	2, 004	250	1, 333	1, 009	40, 809	32, 384	Illinois
935	626	9, 177	3, 806	751	324	390	216	18, 841	17, 786	Michigan.
775	456	4, 207	1, 166	393	105	233	310	11, 716	12, 539	Wisconsin.
2, 552	1, 922	27, 588	10, 400	1, 936	497	3, 805	1, 566	63, 963	60, 971	West North Central.
426	377	5, 653	2, 703	912	153	1, 414	370	15, 066	13, 618	Minnesota
851	484	4, 627	1, 661	254	-----	755	360	14, 045	13, 164	Iowa
524	473	7, 614	1, 463	293	126	719	323	14, 942	15, 194	Missouri
90	55	1, 318	725	21	14	30	35	2, 733	2, 416	North Dakota.
53	39	985	195	17	-----	208	170	2, 672	2, 449	South Dakota.
277	268	3, 561	2, 041	182	65	543	164	5, 829	6, 245	Nebraska.
331	226	3, 828	1, 612	257	139	136	144	8, 136	7, 885	Kansas.
2, 672	1, 194	28, 910	5, 603	979	227	1, 410	1, 353	62, 997	64, 651	South Atlantic.
-----	-----	225	124	2	-----	-----	-----	1, 316	1, 053	Delaware.
658	26	7, 418	377	266	24	237	9	10, 830	12, 200	Maryland
925	574	5, 497	737	281	137	97	76	4, 620	5, 297	Dist. of Columbia
262	89	3, 655	586	131	4	223	221	11, 885	11, 950	Virginia
81	56	980	357	99	25	38	67	4, 123	3, 464	West Virginia
378	158	2, 580	234	99	-----	264	384	11, 742	11, 352	North Carolina
82	127	2, 099	361	23	25	147	180	5, 498	5, 106	South Carolina
142	125	4, 486	1, 738	78	9	214	208	8, 112	9, 032	Georgia
144	39	1, 970	1, 089	-----	3	189	208	4, 871	5, 197	Florida
478	414	10, 036	2, 882	404	164	1, 605	1, 693	27, 864	25, 270	East South Central.
157	180	2, 674	581	222	79	918	965	6, 335	6, 144	Kentucky.
162	103	3, 227	1, 651	70	55	296	240	10, 020	11, 333	Tennessee
92	106	3, 408	643	102	30	206	165	6, 493	4, 348	Alabama
67	25	727	7	10	-----	185	323	5, 136	3, 445	Mississippi.
984	820	15, 858	5, 185	682	215	1, 956	1, 855	34, 888	36, 838	West South Central
24	8	908	299	24	9	598	393	3, 230	2, 976	Arkansas.
96	132	3, 503	1, 500	208	58	103	155	5, 463	6, 952	Louisiana
212	178	4, 489	2, 135	309	128	639	503	7, 310	6, 353	Oklahoma
632	502	6, 958	1, 251	141	20	616	804	18, 885	20, 557	Texas
716	606	9, 620	4, 052	496	118	799	427	16, 330	17, 883	Mountain.
95	32	617	149	34	7	65	39	1, 872	1, 997	Montana.
27	26	1, 203	285	73	16	61	47	1, 636	2, 130	Idaho
23	22	381	292	21	7	-----	-----	978	1, 246	Wyoming
273	292	3, 554	880	214	42	139	100	5, 136	5, 713	Colorado
43	51	703	360	2	-----	260	-----	1, 772	1, 467	New Mexico
63	58	509	423	90	32	34	39	1, 665	1, 817	Arizona
170	83	2, 385	1, 617	48	13	240	202	2, 548	2, 882	Utah
22	42	268	46	14	1	-----	-----	723	631	Nevada
2, 395	2, 519	17, 247	5, 547	2, 790	1, 539	2, 119	559	42, 146	45, 462	Pacific
437	316	3, 116	871	179	73	466	116	6, 649	6, 034	Washington.
121	83	3, 823	1, 609	179	91	229	-----	6, 349	4, 557	Oregon
1, 837	2, 120	10, 308	3, 067	2, 362	1, 375	1, 424	443	29, 148	34, 871	California
-----	-----	49	2	1	-----	-----	-----	108	196	Alaska
51	49	271	499	15	-----	-----	-----	694	811	Hawai
4	8	683	587	-----	-----	-----	-----	843	787	Puerto Rico
-----	-----	-----	-----	-----	-----	-----	-----	1, 324	33	Philippine Islands

Source Office of Education, Department of the Interior

No. 115.—NUMBER OF STUDENTS PURSUING SPECIFIED PROFESSIONAL COURSES, 1932

NOTE.—Students pursuing courses in professions other than those shown in the table are as follows: Architecture, 4,399, fine arts, 4,941, forestry, 2,221, journalism, 2,115; library science, 1,088; music, 6,191, nursing, 6,385, veterinary medicine, 1,310, and other, 17,903. For total students classified as professional, see Table 114. There are also some professional students in arts and sciences courses

Division and State or outlying area	Theology	Law	Medicine	Dentistry	Pharmacy	Engineering	Agriculture	Home economics	Education	Commerce and business
Continental U. S.	12, 350	37, 170	24, 040	8, 519	9, 782	77, 041	14, 671	10, 768	72, 491	64, 274
New England.	1, 483	5, 540	1, 608	421	676	7, 281	269	388	2, 453	6, 772
Maine	51					563	120	112	46	
New Hampshire			40			427	86	85		191
Vermont			154			284	37	80		
Massachusetts	1, 120	5, 224	1, 222	421	406	5, 617			2, 407	6, 437
Rhode Island					113	327	26	111		144
Connecticut	312	316	192		167	63				
Middle Atlantic.	3, 220	9, 227	5, 420	2, 089	3, 572	17, 238	2, 219	1, 463	25, 551	26, 245
New York	1, 798	6, 990	2, 808	921	2, 076	8, 030	1, 495	814	17, 179	20, 546
New Jersey	362	618			382	1, 554	216		101	
Pennsylvania	1, 060	1, 619	2, 612	1, 168	1, 114	7, 652	508	649	8, 271	5, 699
East North Central.	2, 701	7, 282	5, 488	2, 007	1, 941	17, 491	2, 822	2, 429	16, 591	14, 654
Ohio	581	1, 170	971	348	540	4, 549	890	845	9, 582	4, 117
Indiana	180	770	453	108	304	3, 775	341	439	808	1, 167
Illinois	1, 607	3, 257	2, 469	1, 051	740	3, 037	588	238	1, 687	8, 202
Michigan	112	1, 540	959	238	351	4, 427	467	563	3, 495	883
Wisconsin	321	545	636	202		1, 703	536	344	959	285
West North Central.	1, 966	3, 187	3, 487	1, 278	1, 109	9, 806	2, 661	2, 696	5, 802	3, 412
Minnesota	489	547	1, 085	239	170	2, 297	463	516	2, 241	755
Iowa	122	312	383	178	217	2, 057	616	978	397	324
Missouri	932	1, 606	960	643	305	1, 481	449	112	499	427
North Dakota		69	56		100	492	185	186	590	111
South Dakota		72	40		67	628	128	113	15	48
Nebraska	85	301	650	218	191	764	363	272	1, 457	1, 167
Kansas	338	280	313		59	1, 687	457	519	603	580
South Atlantic.	869	4, 990	3, 364	1, 162	850	6, 892	1, 828	923	7, 101	2, 762
Delaware						194	33	54	70	
Maryland	50	165	708	424	361	784	262	95	2, 951	105
District of Columbia	231	3, 268	1, 108	310	73	589			480	117
Virginia	220	420	603	126	127	1, 297	268	95	366	488
West Virginia		149	144		38	435	148	164	167	
North Carolina	170	256	292		81	812	243		275	347
South Carolina	31	117	144		98	693	401		232	293
Georgia	167	322	365	302	16	1, 718	237	307	1, 374	883
Florida		293			56	370	236	208	1, 186	529
East South Central.	728	1, 179	1, 345	368	304	3, 387	730	828	2, 566	1, 467
Kentucky	634	280	342	151	93	718	185	117	628	408
Tennessee	94	606	843	217	149	675	419	563	933	93
Alabama		220	107		34	1, 565	126	148	1, 005	798
Mississippi		73	53		28	429				108
West South Central.	614	1, 682	1, 706	299	272	6, 655	1, 752	790	3, 365	2, 726
Arkansas	30	120	198			292	113	118	306	106
Louisiana		331	586	142	76	1, 100	363	161	1, 172	835
Oklahoma	146	256	233		110	1, 818	457	305	1, 612	1, 470
Texas	438	955	689	157	86	3, 445	819	206	275	315
Mountain.	138	611	292	12	203	4, 181	1, 116	612	3, 250	2, 370
Montana		63			54	209			37	92
Idaho		39			74	428	172		410	292
Wyoming		33				176	113	64	315	
Colorado	138	292	214	12	75	1, 850	243	254		847
New Mexico						475	84	56	391	42
Arizona		89				290	93	59	533	
Utah		95	78			522	360	132	1, 564	1, 097
Nevada						231	51	47		
Pacific.	631	3, 492	1, 330	883	855	4, 612	1, 274	639	5, 812	3, 866
Washington	53	388				1, 653	276	219	469	
Oregon		406	252	226	123	735	345	420	717	1, 359
California	578	2, 698	1, 078	657	490	2, 224	653		4, 626	2, 507
Alaska						52				
Hawaii						67	114	90	491	
Puerto Rico		76			56	179	167	183	483	126

**No. 116.—UNIVERSITIES, COLLEGES, AND PROFESSIONAL SCHOOLS:
LIBRARIES AND OTHER PROPERTY**

[All money figures in thousands of dollars]

Division and State or Territory	Volumes in libraries		Value of libraries, scientific apparatus, machinery, and furniture		Value of grounds, buildings, and dormitories		Productive funds ¹		
	1930	1932	1930	1932	1930	1932	1920	1930	1932
Cont'l U S.....	44, 396, 422	48, 682, 136	243, 297	319, 797	1, 479, 734	1, 686, 817	556, 350	1, 347, 676	1, 365, 635
New England.....	8, 566, 647	9, 049, 102	25, 573	31, 780	139, 228	167, 711	137, 747	346, 694	362, 613
Maine.....	405, 645	442, 843	935	1, 796	7, 138	6, 841	3, 679	10, 438	10, 772
New Hampshire.....	329, 845	340, 434	1, 309	1, 698	8, 788	12, 586	5, 284	16, 153	13, 697
Vermont.....	232, 178	236, 276	385	540	5, 040	4, 149	2, 581	6, 136	6, 170
Massachusetts.....	4, 832, 681	4, 975, 922	10, 689	12, 730	67, 098	70, 387	92, 571	211, 230	228, 954
Rhode Island.....	444, 824	504, 569	465	505	6, 939	8, 922	3, 266	10, 870	10, 554
Connecticut.....	2, 321, 474	2, 549, 058	11, 790	14, 511	44, 225	64, 826	30, 366	91, 867	92, 466
Middle Atlantic.....	8, 340, 144	8, 000, 200	40, 573	59, 329	394, 470	430, 003	153, 262	313, 098	316, 480
New York.....	4, 861, 059	4, 334, 721	21, 932	29, 255	216, 040	249, 903	91, 564	208, 265	187, 599
New Jersey.....	660, 837	1, 427, 889	3, 219	4, 181	27, 006	29, 115	13, 243	15, 128	37, 867
Pennsylvania.....	2, 818, 248	3, 237, 590	15, 422	25, 893	141, 424	150, 985	48, 455	88, 703	90, 994
East North Central.....	9, 450, 155	10, 149, 313	54, 221	70, 979	293, 950	338, 225	88, 071	249, 182	237, 704
Ohio.....	2, 720, 349	3, 047, 178	13, 164	21, 086	87, 815	103, 730	23, 004	84, 983	82, 539
Indiana.....	950, 859	1, 058, 211	6, 168	8, 750	34, 826	42, 573	7, 948	20, 577	17, 175
Illinois.....	3, 300, 050	3, 436, 934	14, 459	17, 717	93, 743	103, 837	46, 943	118, 890	112, 978
Michigan.....	1, 276, 709	1, 395, 153	13, 919	15, 541	51, 200	57, 266	3, 411	12, 308	13, 123
Wisconsin.....	1, 202, 188	1, 211, 837	6, 511	7, 885	26, 366	31, 179	6, 765	12, 424	11, 889
West North Central.....	5, 204, 692	5, 724, 280	40, 258	44, 826	164, 925	178, 395	46, 794	91, 250	92, 051
Minnesota.....	1, 170, 438	1, 369, 362	7, 804	9, 587	40, 128	42, 386	7, 818	19, 819	20, 619
Iowa.....	1, 058, 257	1, 192, 158	9, 668	10, 298	32, 255	38, 447	10, 797	14, 346	12, 821
Missouri.....	1, 344, 795	1, 469, 415	9, 781	11, 562	44, 417	50, 174	17, 152	34, 068	34, 214
North Dakota.....	167, 623	178, 544	1, 613	1, 519	4, 148	4, 383	3, 788	4, 696	4, 287
South Dakota.....	205, 220	257, 604	1, 836	2, 064	6, 331	6, 509	968	3, 708	3, 774
Nebraska.....	505, 408	521, 176	3, 189	3, 752	15, 393	15, 107	2, 449	6, 642	5, 881
Kansas.....	753, 346	786, 021	6, 367	6, 014	22, 253	21, 389	3, 822	7, 971	7, 755
South Atlantic.....	4, 280, 015	5, 102, 367	27, 756	36, 073	212, 842	233, 397	34, 562	123, 186	133, 877
Delaware.....	41, 500	44, 923	1, 065	1, 030	2, 749	3, 180	395	681	604
Maryland.....	833, 449	926, 398	4, 959	5, 703	45, 516	50, 240	10, 808	31, 218	34, 562
Dist of Columbia.....	448, 121	571, 752	1, 447	2, 340	15, 050	15, 893	3, 851	6, 137	6, 191
Virginia.....	733, 412	957, 910	3, 498	5, 221	31, 383	35, 372	7, 369	23, 253	29, 910
West Virginia.....	233, 854	236, 321	1, 970	2, 078	12, 824	12, 435	973	3, 222	2, 947
North Carolina.....	825, 117	1, 035, 385	5, 057	7, 923	52, 674	57, 618	2, 936	35, 286	35, 545
South Carolina.....	402, 006	422, 399	3, 760	4, 257	18, 126	19, 510	1, 735	5, 054	5, 055
Georgia.....	562, 822	626, 824	4, 140	4, 670	27, 687	29, 176	5, 071	16, 497	16, 278
Florida.....	200, 034	280, 445	1, 860	2, 845	6, 863	9, 976	1, 424	2, 838	2, 785
East South Central.....	1, 637, 729	1, 858, 983	10, 201	12, 830	66, 552	80, 188	17, 015	57, 249	57, 412
Kentucky.....	500, 859	625, 874	1, 962	3, 178	14, 225	19, 860	4, 042	17, 100	17, 177
Tennessee.....	634, 675	688, 687	3, 698	4, 697	27, 761	32, 283	8, 833	29, 949	29, 924
Alabama.....	268, 137	304, 134	2, 067	2, 185	11, 596	14, 638	2, 489	6, 267	7, 303
Mississippi.....	234, 058	240, 288	2, 474	2, 770	12, 970	13, 402	1, 651	3, 933	3, 008
West South Central.....	2, 083, 860	2, 327, 428	16, 979	22, 100	82, 410	97, 087	16, 230	64, 695	76, 263
Arkansas.....	213, 685	241, 723	1, 494	1, 912	7, 434	7, 804	770	2, 190	2, 427
Louisiana.....	336, 305	318, 190	2, 809	4, 043	17, 485	20, 070	6, 488	12, 958	12, 874
Oklahoma.....	313, 084	352, 076	2, 898	3, 935	12, 049	14, 523	3, 925	4, 989	4, 838
Texas.....	1, 220, 786	1, 415, 437	9, 778	12, 210	45, 442	54, 690	5, 047	44, 758	50, 124
Mountain.....	1, 451, 323	1, 588, 130	7, 998	11, 561	38, 975	41, 990	4, 692	16, 964	16, 569
Montana.....	253, 321	247, 856	959	1, 400	5, 283	5, 021	-----	3, 025	3, 484
Idaho.....	120, 500	125, 574	652	1, 048	2, 174	3, 166	1, 719	2, 509	2, 860
Wyoming.....	75, 351	110, 039	511	1, 036	2, 195	2, 366	807	2, 318	2, 406
Colorado.....	538, 268	578, 332	3, 030	3, 891	14, 658	15, 965	1, 637	5, 836	5, 581
New Mexico.....	70, 348	81, 721	674	889	2, 706	3, 482	70	738	755
Arizona.....	90, 700	106, 900	275	1, 114	2, 548	2, 633	10	728	709
Utah.....	252, 810	283, 371	1, 494	1, 763	5, 883	6, 708	120	1, 477	429
Nevada.....	50, 025	54, 337	403	420	1, 526	1, 949	329	335	345
Pacific.....	3, 331, 857	3, 882, 345	19, 738	30, 519	98, 379	120, 521	57, 977	86, 160	72, 686
Washington.....	600, 711	694, 165	3, 271	4, 637	13, 615	18, 888	8, 449	9, 988	5, 301
Oregon.....	477, 101	532, 086	3, 194	4, 318	12, 488	12, 401	4, 244	5, 371	5, 539
California.....	2, 304, 045	2, 656, 094	13, 273	21, 564	72, 376	89, 172	45, 284	70, 801	61, 846
Alaska Territory.....	11, 016	11, 534	166	227	232	275	-----	50	-----
Hawaiian Territory.....	50, 194	71, 389	391	583	2, 409	2, 225	-----	6	-----
Puerto Rico.....	25, 210	34, 497	262	482	716	894	11	335	-----
Philippine Islands.....	-----	-----	548	-----	1, 778	-----	-----	-----	-----

¹ Figures for 1920 and 1930 include student-aid funds and annuity funds which are excluded from figures for 1932

Source Office of Education, Department of the Interior

No 117.—NORMAL SCHOOLS AND TEACHERS' COLLEGES: NUMBER OF SCHOOLS AND TEACHERS AND STUDENTS, BY SEX, BY STATES

Division and State or out-lying area	Public normal schools and public and private teachers' colleges								Private normal schools, 1932			
	Number, 1932	Teachers				Students ¹				Number	Teachers	Students
		1920	1930	Male	Female	1920	1930	Male	Female			
Cont'l U.S.	261	8,260	11,027	4,417	6,805	152,909	167,346	50,148	111,547	28	2,883	3,131
New England	30	668	793	201	774	5,496	6,810	803	6,725	7	72	1,039
Maine	7	84	110	26	103	574	1,349	273	1,206	—	—	—
New Hampshire	3	59	85	39	68	837	903	159	693	—	—	—
Vermont	2	15	10	1	20	280	123	9	274	—	—	—
Massachusetts	11	324	351	81	281	2,779	2,820	264	2,963	5	60	967
Rhode Island	1	81	31	23	79	457	609	40	566	—	—	—
Connecticut	6	105	156	27	223	569	1,006	58	1,023	2	12	72
Middle Atlantic	40	1,383	1,863	637	1,283	19,789	27,082	5,882	20,211	7	99	987
New York	16	698	833	263	551	9,448	12,678	1,868	9,152	6	87	766
New Jersey	7	186	213	79	193	1,610	3,107	542	2,945	—	—	—
Pennsylvania	17	469	817	295	539	8,731	11,297	3,472	8,114	1	12	221
E. N. Central	66	1,826	2,434	917	1,285	37,607	34,475	11,971	19,432	4	79	418
Ohio	3	320	160	81	105	6,976	2,113	851	1,982	1	23	120
Indiana	4	206	219	145	119	5,812	4,535	1,938	2,599	—	—	—
Illinois	9	348	637	223	364	8,495	9,073	2,576	5,472	3	56	298
Michigan	24	431	854	232	385	7,478	11,753	3,028	4,499	—	—	—
Wisconsin	26	521	564	236	312	8,846	7,001	3,578	4,880	—	—	—
W. N. Central	31	1,584	1,702	771	1,036	31,825	24,059	8,535	17,600	5	58	123
Minnesota	6	204	255	82	182	3,969	3,296	980	2,960	2	25	232
Iowa	1	172	183	78	94	4,158	2,620	728	1,684	—	—	—
Missouri	8	359	445	211	244	8,828	7,426	3,083	5,932	1	9	23
North Dakota	5	214	205	84	122	2,574	2,885	781	1,983	—	—	—
South Dakota	4	197	159	77	132	2,581	1,885	505	1,133	—	—	—
Nebraska	4	172	183	85	132	3,652	2,203	892	1,657	2	24	100
Kansas	3	246	272	154	130	6,063	3,744	1,568	2,251	—	—	—
South Atlantic	33	800	1,075	371	713	13,334	16,772	3,327	11,698	1	10	52
Maryland	3	87	82	13	106	915	1,325	138	901	—	—	—
Dist. of Col.	2	31	53	22	71	1,911	612	108	590	1	10	52
Virginia	6	203	360	64	187	4,644	4,750	42	2,978	—	—	—
West Virginia	7	164	225	155	135	2,753	5,199	2,210	3,439	—	—	—
N. Carolina	8	125	147	74	149	2,100	2,590	464	2,920	—	—	—
S. Carolina	—	49	49	—	—	918	324	—	—	—	—	—
Georgia	5	141	159	43	67	1,813	1,972	370	870	—	—	—
E. S. Central	20	448	877	472	560	10,946	19,035	5,586	11,000	—	—	—
Kentucky	6	124	297	147	213	3,164	6,677	2,716	4,456	—	—	—
Tennessee	5	135	257	195	163	3,880	5,843	1,474	3,092	—	—	—
Alabama	7	161	226	90	132	2,859	4,011	1,017	2,588	—	—	—
Mississippi	2	28	97	40	52	1,043	2,504	379	914	—	—	—
W. S. Central	17	762	1,144	515	505	21,188	19,650	7,023	11,838	—	—	—
Arkansas	2	48	66	41	42	1,109	1,120	425	645	—	—	—
Louisiana	2	86	147	40	57	1,223	1,780	275	1,124	—	—	—
Oklahoma	6	295	374	185	153	10,361	8,181	3,243	5,141	—	—	—
Texas	7	333	557	249	253	8,475	8,569	3,075	4,928	—	—	—
Mountain	11	384	450	221	239	6,766	5,558	2,137	4,123	—	—	—
Montana	2	46	60	23	30	567	694	154	765	—	—	—
Idaho	2	68	60	25	43	1,083	841	190	434	—	—	—
Colorado	3	129	158	88	80	2,348	2,263	836	1,619	—	—	—
New Mexico	2	68	83	33	34	2,057	761	251	461	—	—	—
Arizona	2	61	89	52	52	659	999	706	844	—	—	—
Utah	—	12	—	—	—	—	—	—	—	—	—	—
Pacific	13	485	769	312	410	5,978	13,905	4,884	8,920	4	65	280
Washington	3	165	168	68	105	2,840	2,487	768	1,304	1	21	81
Oregon	3	28	111	33	88	737	1,845	465	917	2	34	150
California	7	232	450	211	217	2,401	9,573	3,651	6,699	1	10	49
Hawaii	—	54	74	—	—	423	1,482	—	—	—	—	—
Private teachers' colleges only (included above)												
Alabama	1	—	—	39	14	—	—	313	262	—	—	—
Connecticut	1	—	—	10	4	—	—	58	72	—	—	—
Illinois	2	22	64	5	49	257	757	—	637	—	—	—
Indiana	2	83	76	18	9	2,829	1,583	358	293	—	—	—
New Jersey	1	—	—	8	5	—	—	84	76	—	—	—
New York	1	—	—	32	20	—	—	279	267	—	—	—
North Carolina	1	—	74	5	20	—	1,592	—	400	—	—	—
Tennessee	1	73	190	110	79	1,828	3,751	311	911	—	—	—
Utah	—	12	—	—	—	52	—	—	—	—	—	—
Virginia	—	—	158	—	—	—	1,961	—	—	—	—	—

¹ Regular session only.

² Represents total number reduced to full-time basis

Source Office of Education, Department of the Interior

No. 118.—NURSE TRAINING, COMMERCIAL, SUMMER, AND REFORM SCHOOLS

Division and State or outlying area	Nurse-training schools, 1931		Commercial schools, 1932		Summer schools, 1932		Reform schools, 1932	
	Schools	Students	Schools	Students	Normal schools, etc. ¹	Universities, etc. ²	Schools	Students
Continental United States.....	1, 844	100, 394	651	102, 286	136, 690	277, 700	146	57, 259
New England.....	205	11, 777	60	13, 895	2, 308	9, 549	16	5, 733
Maine.....	32	903	5	484	883	863	2	371
New Hampshire.....	23	766	4	633	281	284	1	287
Vermont.....	12	358	1	60	-----	1, 000	1	347
Massachusetts.....	102	6, 668	26	5, 822	1, 120	7, 377	7	2, 867
Rhode Island.....	11	1, 287	7	4, 789	-----	-----	2	622
Connecticut.....	25	1, 795	17	2, 097	22	25	3	1, 239
Middle Atlantic.....	363	24, 890	148	27, 380	13, 447	60, 492	26	15, 711
New York.....	152	11, 724	71	15, 024	6, 936	40, 018	14	8, 811
New Jersey.....	52	3, 148	24	2, 548	729	2, 600	4	1, 748
Pennsylvania.....	159	10, 018	53	9, 708	5, 782	17, 874	8	5, 152
East North Central.....	330	22, 144	123	17, 929	28, 493	55, 878	18	9, 729
Ohio.....	80	5, 339	38	6, 138	2, 701	16, 883	3	1, 686
Indiana.....	32	2, 132	18	2, 106	4, 619	7, 590	2	908
Illinois.....	134	7, 466	31	5, 482	7, 278	15, 762	7	4, 765
Michigan.....	48	3, 676	23	3, 204	6, 168	9, 347	4	1, 620
Wisconsin.....	36	3, 481	13	999	5, 727	6, 341	2	760
West North Central.....	251	12, 264	70	9, 968	25, 830	32, 928	15	4, 833
Minnesota.....	59	3, 776	14	1, 579	3, 028	6, 670	3	1, 357
Iowa.....	46	2, 240	13	1, 744	2, 614	8, 291	3	1, 071
Missouri.....	39	2, 176	11	2, 063	8, 019	6, 289	3	964
North Dakota.....	17	727	8	820	2, 773	997	1	250
South Dakota.....	19	541	3	333	1, 611	1, 196	1	213
Nebraska.....	19	1, 212	3	519	3, 221	3, 929	3	723
Kansas.....	52	1, 592	18	3, 110	4, 564	5, 556	1	255
South Atlantic.....	273	10, 240	67	7, 173	11, 733	33, 952	31	9, 114
Delaware.....	6	219	1	55	-----	497	3	374
Maryland.....	28	1, 778	6	737	-----	2, 913	7	2, 618
District of Columbia.....	12	1, 183	5	1, 763	-----	3, 568	2	909
Virginia.....	45	1, 661	10	1, 000	2, 282	5, 756	4	874
West Virginia.....	40	1, 116	6	945	4, 254	2, 605	2	631
North Carolina.....	59	1, 660	10	598	3, 674	6, 847	4	1, 392
South Carolina.....	26	710	7	239	-----	3, 366	3	588
Georgia.....	39	1, 235	10	1, 069	1, 523	5, 240	3	411
Florida.....	18	678	12	769	-----	3, 155	3	1, 317
East South Central.....	134	4, 244	41	4, 122	15, 992	17, 471	8	4, 802
Kentucky.....	31	1, 071	13	1, 300	4, 818	4, 753	1	2, 051
Tennessee.....	30	1, 351	17	1, 591	5, 731	5, 636	4	1, 619
Alabama.....	36	1, 155	5	600	4, 020	5, 288	2	805
Mississippi.....	37	667	6	631	1, 423	1, 796	1	427
West South Central.....	132	5, 009	57	6, 944	26, 225	34, 628	8	2, 725
Arkansas.....	23	503	6	500	1, 755	2, 933	1	547
Louisiana.....	17	1, 048	5	208	1, 268	5, 362	1	310
Oklahoma.....	22	789	15	2, 979	9, 745	7, 071	2	576
Texas.....	70	2, 669	31	3, 257	13, 457	19, 262	4	1, 292
Mountain.....	63	2, 851	16	4, 012	6, 424	11, 249	19	2, 045
Montana.....	16	551	3	913	772	618	2	267
Idaho.....	10	272	1	178	281	501	1	603
Wyoming.....	6	167	-----	-----	-----	1, 069	2	123
Colorado.....	20	1, 181	6	1, 453	3, 038	6, 081	2	525
New Mexico.....	2	61	-----	-----	1, 527	921	3	254
Arizona.....	3	178	4	473	806	407	1	166
Utah.....	6	441	2	995	-----	1, 652	-----	-----
Nevada.....	-----	-----	-----	-----	-----	-----	1	107
Pacific.....	93	6, 975	69	10, 973	8, 240	21, 553	12	2, 567
Washington.....	27	1, 525	19	3, 536	2, 391	5, 062	4	788
Oregon.....	13	726	6	1, 068	1, 399	2, 746	2	256
California.....	53	4, 724	44	6, 369	4, 450	13, 745	6	1, 523
OUTLYING AREAS								
Hawai Territory.....	-----	-----	3	720	-----	595	-----	-----
Philippine Islands.....	7	393	1	592	-----	108	-----	-----
Puerto Rico.....	2	90	2	216	-----	1, 128	1	235

¹ Normal schools and teachers' colleges² Universities, colleges, and professional schools.

No. 119.—SCHOOLS FOR THE BLIND, THE DEAF, AND THE FEEBLE-MINDED, 1932

State	Blind and partially seeing						Deaf and hard of hearing						Mentally deficient					
	State schools		Public day schools		Private schools		State schools		Public day schools		Private schools		State institutions		Public day schools		Private institutions	
	Schools	Pupils	Cities reporting schools	Pupils	Schools	Pupils	Schools	Pupils	Cities reporting schools	Pupils	Schools	Pupils	Schools	Pupils	Cities reporting schools	Pupils	Schools	Pupils
Continental United States.....	47	4, 510	95	5, 308	11	1, 020	57	12, 408	116	4, 434	27	2, 482	80	12, 171	483	75, 099	50	1, 615
Alabama.....	2	199	—	—	—	—	2	419	1	8	—	—	1	92	1	217	—	—
Arizona.....	1	18	—	—	—	—	1	70	—	—	—	—	—	—	1	12	—	—
Arkansas.....	2	148	—	—	—	—	1	310	—	—	—	—	—	—	—	—	—	—
California.....	1	108	2	155	—	—	1	223	9	383	1	32	2	569	7	2, 696	5	85
Colorado.....	1	63	—	—	—	—	1	176	—	—	—	—	2	123	1	51	1	6
Connecticut.....	1	(1)	2	39	1	11	1	118	—	—	1	216	1	99	18	1, 637	—	—
Delaware.....	—	—	—	—	—	—	—	—	—	—	—	—	1	42	1	139	—	—
District of Columbia.....	—	—	—	—	—	—	—	—	—	—	2	200	1	(1)	1	568	1	25
Florida.....	1	87	—	—	—	—	1	237	—	—	—	—	1	161	1	269	—	—
Georgia.....	1	102	1	21	—	—	1	244	—	—	—	—	1	46	1	490	—	—
Idaho.....	1	21	—	—	—	—	1	77	—	—	—	—	1	86	—	—	—	—
Illinois.....	1	258	7	467	—	—	1	546	7	513	1	118	2	605	11	4, 672	3	110
Indiana.....	1	165	1	16	—	—	1	421	—	—	—	—	3	180	7	1, 110	1	6
Iowa.....	1	168	1	32	—	—	1	355	3	161	—	—	2	728	10	1, 155	1	35
Kansas.....	1	115	—	—	—	—	1	233	3	23	—	—	2	91	3	294	1	5
Kentucky.....	1	156	—	—	—	—	1	343	1	13	—	—	1	341	4	423	1	60
Louisiana.....	2	112	—	—	—	—	1	201	—	—	1	51	1	122	—	—	1	40
Maine.....	—	—	—	—	—	—	1	110	—	—	—	—	1	127	2	87	—	—
Maryland.....	2	100	1	122	—	—	1	180	1	45	3	96	1	(1)	1	2, 338	1	20
Massachusetts.....	—	—	12	193	1	284	2	276	7	399	2	172	4	1, 118	63	3, 965	4	118
Michigan.....	1	166	11	671	—	—	1	412	15	490	1	31	3	843	29	6, 317	3	47
Minnesota.....	1	102	6	213	—	—	1	282	6	198	1	12	2	594	23	2, 601	1	5
Mississippi.....	1	64	—	—	—	—	1	200	—	—	—	—	1	151	—	—	—	—
Missouri.....	1	107	1	9	—	—	1	325	2	116	2	209	1	162	4	1, 502	1	5
Montana.....	—	16	—	—	—	—	1	85	—	—	—	—	1	90	2	110	—	—
Nebraska.....	1	60	—	—	—	—	1	192	1	16	—	—	1	193	2	306	1	(1)
Nevada.....	—	—	—	—	—	—	—	—	—	—	—	—	1	191	4	204	—	—
New Hampshire.....	—	—	—	—	—	—	—	—	—	—	—	—	5	340	50	4, 296	4	277
New Jersey.....	1	108	5	151	2	78	1	342	3	136	—	—	1	18	—	—	—	—
New Mexico.....	—	—	—	—	—	—	—	99	—	—	—	—	—	—	—	—	—	—
New York.....	1	145	7	1, 760	3	176	5	1, 185	6	571	4	554	9	2, 181	72	15, 527	7	150
North Carolina.....	2	232	—	—	—	—	2	472	—	—	—	—	2	188	2	192	—	—
North Dakota.....	1	37	—	—	—	—	1	111	—	—	—	—	1	156	1	46	—	—
Ohio.....	1	224	24	937	—	—	1	519	15	468	1	102	4	570	43	6, 084	2	38
Oklahoma.....	1	159	—	—	—	—	2	409	1	17	1	8	1	(1)	2	271	—	—
Oregon.....	1	43	1	11	—	—	1	126	1	38	—	—	1	197	3	578	—	—
Pennsylvania.....	—	—	5	260	4	471	2	603	5	198	5	598	4	503	55	11, 655	5	292
Rhode Island.....	—	—	1	33	—	—	1	101	—	—	—	—	1	45	5	688	1	4
South Carolina.....	1	104	—	—	—	—	1	212	1	95	—	—	1	119	2	184	—	—
South Dakota.....	1	37	—	—	—	—	1	106	—	—	—	—	1	64	2	116	—	—
Tennessee.....	2	250	—	—	—	—	2	300	—	—	—	—	1	(1)	—	—	1	21
Texas.....	2	338	1	6	—	—	2	685	3	42	—	—	2	90	2	150	—	—
Utah.....	1	29	—	—	—	—	1	130	—	—	—	—	1	110	—	—	—	—
Vermont.....	—	—	—	—	—	—	1	56	—	—	—	—	1	59	—	—	—	—
Virginia.....	2	108	3	65	—	—	2	249	2	35	—	—	1	98	4	472	2	41
Washington.....	1	96	3	147	—	—	1	135	4	115	—	—	1	154	9	2, 106	—	—
West Virginia.....	2	136	—	—	—	—	2	315	1	16	—	—	1	(1)	1	46	—	—
Wisconsin.....	1	139	—	—	—	—	1	218	18	348	1	83	2	456	33	1, 525	2	225
Wyoming.....	—	—	—	—	—	—	—	—	—	—	—	—	1	71	—	—	—	—

* Data not available

Source: Office of Education, Department of Interior

No. 120.—SCHOOLS FOR THE BLIND, THE DEAF, AND THE FEEBLE-MINDED: CONTINENTAL UNITED STATES

Kind of school	Number of schools			Number of teachers			Number of pupils		
	1922	1927	1932	1922	1927	1932	1922	1927	1932
Schools for the blind, total.....	63	78	153	720	853	1,235	4,915	6,035	10,838
State.....	-----	-----	47	-----	-----	652	-----	-----	4,510
City day schools.....	-----	-----	95	-----	-----	411	-----	-----	5,308
Private.....	-----	-----	11	-----	-----	172	-----	-----	1,020
Schools for the deaf, total.....	153	166	200	1,901	2,283	2,469	14,328	17,433	19,324
State.....	61	68	57	1,414	1,712	1,642	10,738	13,033	12,408
City day schools.....	74	83	116	351	417	497	2,911	3,515	4,434
Private.....	18	15	27	136	154	330	679	885	2,482
Schools for the feeble-minded and subnormal, total.....	214	303	613	1,956	3,493	4,917	63,899	104,021	88,885
State.....	51	51	80	492	580	700	38,761	49,791	12,171
City day schools.....	133	218	483	1,321	2,718	4,004	23,252	51,814	75,099
Private.....	30	34	50	143	195	213	1,386	2,416	1,615

Source Office of Education, Department of the Interior

No. 121.—VOCATIONAL EDUCATION: TEACHERS AND PUPILS IN FEDERALLY AIDED VOCATIONAL SCHOOLS AND TEACHER-TRAINING COURSES

NOTE—See headnote, Table 122 Hawaii included 1930 to 1933 and Puerto Rico 1932 and 1933

Class of school or course	Teachers					Pupils				
	1920	1930	1931	1932	1933	1920	1930	1931	1932	1933
VOCATIONAL SCHOOLS										
Total, all classes ¹	-----	-----	-----	-----	-----	265,058	981,882	1,056,519	1,077,844	1,032,403
Male.....	-----	-----	-----	-----	-----	163,228	603,514	629,707	618,852	579,083
Female.....	-----	-----	-----	-----	-----	101,830	378,368	426,812	458,992	453,320
Evening.....	2,565	9,842	11,475	10,980	9,397	73,122	323,154	378,773	379,427	343,033
Part time.....	1,773	5,468	4,955	5,692	5,560	122,974	407,285	382,539	359,001	299,635
All day.....	3,331	9,245	10,179	11,226	11,934	68,962	241,486	283,846	328,226	379,835
Day-unit course.....	-----	319	542	472	494	-----	9,957	11,361	11,190	10,000
Agricultural ¹	-----	-----	-----	-----	-----	31,301	188,311	235,153	252,199	284,105
Male.....	-----	-----	-----	-----	-----	29,351	180,490	224,872	242,074	252,781
Female.....	-----	-----	-----	-----	-----	1,950	7,821	10,281	10,125	11,324
Evening.....	-----	1,878	2,147	2,189	2,283	-----	60,462	85,688	87,138	81,689
Part time.....	-----	306	369	570	747	-----	4,164	6,485	10,792	12,558
All day.....	1,570	4,346	4,570	4,770	4,938	31,301	113,728	131,619	143,079	159,858
Day-unit course.....	-----	319	542	472	494	-----	9,957	11,361	11,190	10,000
Trade and industrial ¹	-----	-----	-----	-----	-----	134,819	618,604	591,876	560,150	489,900
Male.....	-----	-----	-----	-----	-----	133,872	422,575	404,602	375,808	325,010
Female.....	-----	-----	-----	-----	-----	50,947	196,029	187,274	184,342	164,890
Evening.....	1,779	5,030	5,715	5,277	4,224	48,354	105,317	168,322	151,042	123,807
Part time, total.....	1,636	4,981	4,342	4,850	4,502	115,241	381,898	342,513	315,708	255,247
Trade extension.....	350	1,747	1,457	1,759	1,646	17,159	45,601	47,358	44,476	38,064
General continuation.....	1,286	3,234	2,885	3,091	2,856	98,082	336,297	295,155	271,232	217,183
All day.....	1,047	3,054	3,472	3,793	4,020	21,224	71,889	80,541	93,400	110,846
Home economics ¹	-----	-----	-----	-----	-----	48,938	174,967	229,490	265,495	278,398
Male.....	-----	-----	-----	-----	-----	5	449	233	970	1,282
Female.....	-----	-----	-----	-----	-----	48,933	174,518	229,257	264,525	277,106
Evening.....	786	2,934	3,613	3,514	2,890	24,768	97,375	124,263	141,247	137,537
Part time.....	137	181	244	272	311	7,733	21,223	33,541	32,501	31,730
All day.....	714	1,845	2,137	2,663	2,976	16,437	56,369	71,686	91,747	109,131
TEACHER-TRAINING COURSES										
Total, all classes.....	1,082	2,843	2,882	2,851	2,858	12,456	20,736	22,088	22,468	19,645
Male.....	657	2,518	2,543	2,526	2,518	6,995	12,531	14,386	14,561	12,118
Female.....	425	2,325	2,334	2,325	2,340	5,471	8,205	7,702	7,907	7,527
In agriculture.....	293	195	183	200	205	2,310	3,325	2,911	3,171	3,468
Trade and industry.....	359	334	385	342	333	6,150	11,205	13,242	13,045	10,155
Home economics.....	414	316	319	226	328	3,652	6,206	5,935	6,252	6,022
Other and not specified.....	16	-----	-----	-----	-----	344	-----	-----	-----	-----

¹ Total number of teachers omitted because of duplications in reports of States by types of schools.² Excluding duplicates

Source: Office of Education, Department of the Interior

No. 122.—VOCATIONAL EDUCATION: PUPILS ENROLLED IN VOCATIONAL COURSES AND TEACHER-TRAINING COURSES, YEAR ENDED JUNE 30, 1933

NOTE.—Institutions Federally aided are reimbursed out of Federal funds provided under (1) the act known as the Smith-Hughes Act, or the national vocational education act of 1917, (2) acts of 1924 and 1931 extending the benefits of vocational education to Hawaii and Puerto Rico, (3) the George-Reed Act of 1929. These acts, administered by the Office of Education, provide appropriations by Congress for reimbursement in part out of Federal funds for expenditures by States and local communities for salaries of vocational teachers and maintenance of vocational teacher training.

Division and State or Territory	Vocational courses					Vocational teacher-training courses (Federally aided)			
	Federally aided				State aided only	Total	Agricultural	Trade and industrial	Home economics
	Total	Agricultural	Trade and industrial	Home economics					
United States ¹	1,032,403	264,105	489,900	278,398	117,924	19,650	3,429	10,194	6,027
New England.....	59,638	3,841	38,865	16,930	431	1,485	204	598	693
Maine.....	1,868	760	294	814	-----	87	11	-----	76
New Hampshire.....	1,105	335	510	260	-----	82	-----	39	43
Vermont.....	820	326	305	189	-----	51	9	15	27
Massachusetts.....	44,164	1,182	29,609	13,373	195	867	103	432	332
Rhode Island.....	2,711	617	1,534	500	-----	312	55	90	167
Connecticut.....	8,908	621	6,613	1,734	236	86	26	12	48
Middle Atlantic.....	239,575	13,327	205,349	20,899	53,117	4,348	492	3,108	748
New York.....	159,934	6,189	146,256	7,539	52,676	2,272	287	1,582	403
New Jersey.....	23,438	1,318	20,085	2,035	441	249	38	269	42
Pennsylvania.....	56,153	5,820	39,008	11,325	-----	1,727	167	1,257	303
East North Central.....	187,899	44,391	99,567	53,941	8,676	2,658	283	1,882	493
Ohio.....	33,911	10,732	14,342	8,837	-----	860	62	717	81
Indiana.....	20,652	4,743	10,431	5,478	710	394	90	157	147
Illinois.....	30,145	8,679	11,252	10,214	1,178	567	39	434	94
Michigan.....	39,966	13,129	18,711	8,126	-----	690	69	501	120
Wisconsin.....	63,225	7,108	34,831	21,286	6,788	147	23	73	51
West North Central.....	87,652	30,055	23,531	34,063	2,356	1,868	344	768	756
Minnesota.....	15,938	4,910	7,163	3,865	-----	420	86	264	70
Iowa.....	15,388	9,399	3,519	2,470	176	474	25	275	174
Missouri.....	18,166	6,830	6,614	4,722	-----	247	64	153	30
North Dakota.....	4,364	1,495	568	2,301	-----	113	47	(²) 6	66
South Dakota.....	4,148	1,637	198	2,313	1,288	75	14	6	55
Nebraska.....	15,760	3,068	2,439	10,253	93	351	56	68	227
Kansas.....	13,888	2,719	3,030	8,139	799	186	52	(³) 68	134
South Atlantic.....	137,762	56,931	43,155	37,676	11,199	1,818	403	754	661
Delaware.....	1,943	274	1,326	343	-----	40	10	* 10	20
Maryland.....	6,871	1,328	3,849	1,694	-----	304	28	246	30
Virginia.....	24,375	10,979	9,711	3,685	2,785	520	40	212	268
West Virginia.....	5,169	1,291	2,181	1,697	56	104	36	68	-----
North Carolina.....	28,216	13,499	5,884	8,733	-----	211	93	20	98
South Carolina.....	26,142	15,987	5,377	7,798	1,778	203	48	39	116
Georgia.....	29,717	9,862	9,940	9,915	6,580	339	116	159	64
Florida.....	12,329	3,731	4,787	3,811	-----	97	32	-----	65
East South Central.....	81,681	40,809	15,083	25,799	6,517	1,543	470	640	433
Kentucky.....	10,345	4,999	2,806	2,543	-----	229	81	54	94
Tennessee.....	29,074	13,262	4,835	10,977	-----	273	59	75	139
Alabama.....	21,286	7,722	5,148	8,416	2,249	783	255	418	110
Mississippi.....	20,983	14,826	2,294	3,863	4,268	258	75	93	90
West South Central.....	110,970	48,299	19,233	43,348	35,454	1,623	392	778	453
Arkansas.....	14,903	9,234	1,132	4,537	-----	87	48	-----	39
Louisiana.....	19,317	9,399	4,244	5,674	13,740	192	64	58	70
Oklahoma.....	26,948	6,420	4,278	15,250	1,428	548	66	248	234
Texas.....	50,802	23,246	9,669	17,887	20,286	796	214	472	110
Mountain.....	34,845	9,712	9,883	15,250	174	2,132	651	657	824
Montana.....	3,838	1,065	1,362	1,411	-----	81	21	-----	60
Idaho.....	2,881	1,462	605	814	-----	134	54	25	55
Wyoming.....	2,318	1,223	508	587	-----	96	40	26	30
Colorado.....	11,713	2,031	5,050	4,632	6	1,497	464	529	504
New Mexico.....	2,363	784	368	1,501	-----	13	6	-----	10
Arizona.....	3,508	784	368	2,351	-----	18	6	-----	12
Utah.....	7,875	2,283	1,362	3,730	168	240	43	64	133
Nevada.....	854	181	449	224	-----	43	10	13	20
Pacific.....	82,956	13,680	43,804	25,492	-----	1,772	57	942	773
Washington.....	8,127	2,753	3,868	1,506	-----	136	9	44	83
Oregon.....	8,125	2,200	2,903	3,022	-----	375	9	297	69
California.....	66,704	8,707	37,033	20,964	-----	1,261	39	601	621
Hawaii.....	4,471	847	728	2,896	-----	209	70	51	88
Puerto Rico.....	4,946	2,230	612	2,104	-----	196	63	28	105

¹ Includes Hawaii and Puerto Rico

² Training in service—no organized classes.

³ Itinerant training done largely by personal conference

⁴ In addition Delaware reports 120 enrolled in teacher-training conferences

Source Office of Education, Department of Interior

**No. 123.—VOCATIONAL EDUCATION: EXPENDITURES UNDER THE VOCATIONAL
EDUCATION ACTS, FOR YEARS ENDED JUNE 30
EXPENDITURES FOR ALL SCHOOLS, EXCEPT TEACHER TRAINING**

Classification of expenditure	1920	1928	1930	1931	1932	1933
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
Total	6,888,500	23,350,702	27,412,136	29,538,445	30,767,572	27,760,956
From Federal money.....	1,745,298	5,791,067	6,361,380	6,917,178	7,365,811	6,779,194
From State money.....	2,008,306	5,992,020	7,172,501	7,680,080	7,896,883	7,194,531
From local money.....	3,134,896	11,567,615	13,878,255	14,941,187	15,504,878	13,787,231
Agricultural schools.....	2,437,285	7,608,914	8,743,382	9,978,629	10,212,810	9,468,535
From Federal money.....	889,886	2,844,464	3,173,624	3,461,543	3,688,513	3,364,441
From State money.....	678,824	1,539,662	1,787,246	2,084,543	2,123,443	1,979,739
From local money.....	868,575	3,224,788	3,782,512	4,432,543	4,400,854	4,124,355
Trade or industrial schools.....	2,408,919	7,193,998	8,814,566	9,503,605	10,058,107	9,584,005
From Federal money.....	509,385	1,599,063	1,718,733	1,834,788	1,870,905	1,735,810
From State money.....	786,568	2,009,178	2,538,657	2,680,804	2,914,280	2,827,827
From local money.....	1,112,966	3,585,757	4,587,176	4,988,013	5,272,922	5,020,368
Home economics schools.....	1,054,489	3,721,132	4,382,037	4,751,274	5,129,039	4,677,658
From Federal money.....	155,768	492,158	678,226	877,091	1,130,398	1,116,077
From State money.....	329,634	1,073,784	1,286,530	1,365,281	1,402,953	1,258,638
From local money.....	569,087	2,155,190	2,417,281	2,508,902	2,595,688	2,303,043
Part-time general continuation schools.....	987,807	4,826,658	5,465,613	5,804,937	5,367,616	4,030,758
From Federal money.....	190,259	855,382	790,798	743,756	675,995	562,866
From State money.....	213,280	1,369,396	1,554,377	1,649,452	1,456,207	1,128,427
From local money.....	584,268	2,601,880	3,120,338	3,011,729	3,235,414	2,339,465

EXPENDITURES FOR TEACHER-TRAINING INSTITUTIONS

	1,646,663	2,359,045	2,453,400	2,600,746	2,530,873	2,261,982
Total						
From Federal money.....	731,204	1,030,385	1,042,844	1,061,751	1,049,022	949,051
From State money.....	661,979	1,030,953	1,066,338	1,174,893	1,135,335	1,006,034
From local money.....	253,480	297,708	344,219	364,102	346,515	306,897
Training teachers of agriculture.....	556,580	811,765	826,444	851,554	801,712	715,395
From Federal money.....	250,835	352,216	352,636	350,543	333,562	295,635
From State money.....	232,013	359,091	364,893	384,765	365,796	320,745
From local money.....	73,732	100,458	108,915	116,246	102,354	99,015
Training teachers of trade or industrial subjects.....	490,655	743,109	770,802	848,913	855,359	742,711
From Federal money.....	226,765	337,891	342,345	358,036	364,573	326,487
From State money.....	210,199	349,499	348,343	396,894	396,369	344,426
From local money.....	53,691	55,719	80,114	93,983	94,417	71,798
Training teachers of home economics.....	599,428	804,171	856,155	900,278	873,801	803,876
From Federal money.....	253,604	340,278	347,863	353,172	350,887	326,929
From State money.....	219,767	322,363	353,102	393,234	373,170	340,863
From local money.....	126,057	141,531	155,190	153,872	149,744	136,084

TOTAL EXPENDITURES FROM FEDERAL MONEY, BY STATES

State	1920	1930	1933	State	1920	1930	1933
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>		<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
Total	2,476,503	7,404,823	7,728,245	Nevada.....	13,549	24,993	21,492
Alabama.....	54,672	170,491	175,008	New Hampshire.....	10,913	28,107	30,305
Arizona.....	18,146	34,310	37,290	New Jersey.....	63,546	206,848	198,699
Arkansas.....	43,615	133,793	150,409	New Mexico.....	19,144	35,339	38,818
California.....	70,477	236,129	317,730	New York.....	191,061	680,031	653,043
Colorado.....	23,001	68,038	69,468	North Carolina.....	45,185	182,201	236,450
Connecticut.....	39,028	73,486	82,263	North Dakota.....	20,211	57,605	59,320
Delaware.....	17,612	27,377	29,711	Ohio.....	131,378	399,615	384,219
Florida.....	24,187	67,611	90,603	Oklahoma.....	39,361	150,829	157,567
Georgia.....	69,412	216,811	211,689	Oregon.....	24,671	58,381	63,509
Idaho.....	20,181	38,975	39,922	Pennsylvania.....	196,604	567,658	547,909
Illinois.....	159,988	424,459	416,609	Rhode Island.....	20,728	50,210	42,915
Indiana.....	74,206	208,760	206,955	South Carolina.....	44,252	126,656	137,427
Iowa.....	64,940	173,097	162,006	South Dakota.....	10,872	44,212	50,403
Kansas.....	35,506	108,912	109,398	Tennessee.....	45,477	175,453	194,533
Kentucky.....	51,413	165,889	177,695	Texas.....	90,740	339,279	404,855
Louisiana.....	43,390	128,456	143,988	Utah.....	19,962	37,718	37,806
Maine.....	19,672	44,470	50,365	Vermont.....	17,602	35,827	35,301
Maryland.....	25,664	85,394	91,498	Virginia.....	62,751	171,287	176,881
Massachusetts.....	100,881	241,466	204,466	Washington.....	34,947	95,874	94,151
Michigan.....	82,749	254,335	278,130	West Virginia.....	28,509	91,180	97,290
Minnesota.....	65,322	173,166	174,052	Wisconsin.....	60,966	188,283	193,193
Mississippi.....	49,393	138,074	168,316	Wyoming.....	13,383	28,487	29,505
Missouri.....	74,626	240,648	225,519				
Montana.....	18,990	39,999	44,427	Hawai.....		30,689	33,768
Nebraska.....	33,292	88,866	98,676	Puerto Rico.....			52,690

Source. Office of Education, Department of the Interior.

No. 124.—VOCATIONAL REHABILITATION OF PERSONS DISABLED IN INDUSTRY OR OTHERWISE: YEARS ENDED JUNE 30

NOTE.—By the civilian vocational rehabilitation act of June 2, 1920, Congress set up a program of cooperation with the States for the vocational rehabilitation of persons disabled in industry or otherwise. By the end of the fiscal year 1933 all but 3 States had accepted the provisions and begun cooperation with the Federal Government. The figures shown relate only to cases aided by Federal funds. The total expenditure in 1933 (fiscal year) comprised Federal funds, \$1,011,440, State and private funds, \$1,164,686

State	Number rehabilitated						Live cases on roll June 30					
	1924	1925	1930	1931	1932	1933	1924	1925	1930	1931	1932	1933 ¹
Total.....	5,594	5,012	4,612	5,130	5,550	5,613	13,044	16,393	20,894	23,710	27,403	30,619
Alabama.....	113	129	170	223	212	163	383	1,124	1,082	1,259	1,321	1,130
Arizona.....	10	41	30	14	23	26	17	40	55	86	106	186
Arkansas.....	3	26	45	47	58	43	6	320	451	508	611	664
California.....	275	207	257	255	241	342	424	738	606	733	1,125	1,452
Colorado.....	—	7	9	21	23	27	—	44	86	125	161	246
Connecticut.....	—	—	—	10	23	14	—	—	—	128	148	160
District of Columbia.....	—	—	—	—	—	58	—	—	—	—	—	333
Florida.....	—	—	22	30	32	28	—	204	351	442	470	460
Georgia.....	65	86	114	126	167	132	267	403	454	572	605	674
Idaho.....	35	26	15	21	25	28	75	66	102	114	125	138
Illinois.....	319	469	283	520	723	658	859	600	810	783	775	657
Indiana.....	123	99	140	133	80	89	261	511	628	667	801	702
Iowa.....	101	61	71	67	67	52	741	293	200	239	273	292
Kentucky.....	268	60	146	169	193	227	48	422	608	727	734	871
Louisiana.....	13	71	35	65	71	57	56	191	271	318	782	472
Maine.....	15	11	23	21	22	14	74	156	139	133	146	175
Maryland.....	—	—	5	18	41	43	—	—	74	178	204	185
Massachusetts.....	90	129	132	134	109	91	209	287	361	466	575	495
Michigan.....	286	305	283	308	401	458	746	801	876	1,246	1,711	2,068
Minnesota.....	210	157	149	186	214	217	420	334	400	472	551	637
Mississippi.....	177	142	139	113	140	112	744	679	809	905	937	1,182
Missouri.....	69	—	—	8	29	57	129	(4)	(4)	24	55	93
Montana.....	36	15	18	18	16	26	174	74	97	105	141	144
Nebraska.....	61	46	53	50	45	40	139	139	144	147	153	175
Nevada.....	8	7	10	11	7	15	37	22	12	23	65	53
New Hampshire.....	—	—	—	—	9	13	—	—	—	91	225	379
New Jersey.....	942	594	243	267	303	273	131	717	1,087	1,121	1,248	1,375
New Mexico.....	4	10	14	18	28	35	40	62	73	86	63	56
New York.....	575	509	540	550	505	538	2,402	1,498	1,821	2,652	2,581	2,775
North Carolina.....	112	102	72	97	124	125	654	721	722	808	755	960
North Dakota.....	7	25	34	31	31	37	26	97	151	110	112	129
Ohio.....	615	555	471	404	430	377	988	652	971	1,091	1,045	974
Oklahoma.....	—	59	110	181	187	87	—	1,184	1,547	1,329	1,415	1,646
Oregon.....	26	41	18	34	36	22	70	76	54	46	61	34
Pennsylvania.....	415	435	398	346	232	208	800	1,302	1,719	1,458	1,760	2,272
Rhode Island.....	4	8	9	12	9	10	22	31	53	61	76	86
South Carolina.....	—	1	11	24	33	54	—	69	374	61	343	533
South Dakota.....	17	14	12	15	20	25	154	114	69	77	94	134
Tennessee.....	51	166	124	147	86	173	387	729	677	1,344	1,046	1,140
Texas.....	—	—	12	54	132	152	—	—	144	431	995	911
Utah.....	33	34	33	42	40	40	60	73	102	137	118	165
Virginia.....	120	75	38	53	77	103	119	314	800	595	993	1,088
West Virginia.....	146	114	103	76	66	71	615	249	289	230	210	236
Wisconsin.....	235	174	193	161	180	185	754	899	1,006	1,260	1,493	1,839
Wyoming.....	15	2	28	50	60	68	13	158	139	125	195	243

¹ Figures are subject to slight corrections

² Includes 96 applications pending

³ The status of these cases on June 30, 1933, was as follows. Surveyed, rehabilitation plan not made, 8,901, rehabilitation plan made, 4,713, in process of preparation for employment, 11,690, awaiting employment, 4,566, in employment, being followed up, 749.

⁴ Live roll not reported. Closed, lack of State appropriation, 1925 to 1930.

Source Office of Education, Department of the Interior

6. PUBLIC LANDS

GENERAL NOTE.—An original entry is a first claim to receive a given tract of public land. Perfected entry of the claim is made after required lapse of time and compliance with other conditions

No. 125.—ENTRIES AND PATENTS OF PUBLIC AND INDIAN LAND: ACREAGE, YEARS ENDED JUNE 30

Class	1932			1933		
	Original entries	Perfected entries	Patented	Original entries	Perfected entries	Patented
Total.....	4, 551, 774	1, 333, 327	12, 109, 209	3, 117, 781	980, 156	1, 955, 703
Homesteads.....	4, 049, 854	1, 262, 125	1, 441, 171	2, 714, 029	938, 389	1, 143, 211
Section 2289, Revised Statutes ¹	265, 574	100, 812	132, 607	199, 198	82, 180	107, 572
June 17, 1902 (reclamation).....	11, 265	15, 557	18, 593	7, 135	11, 914	18, 622
Apr. 25, 1904 (Kinkaid).....	1, 095	1, 772	1, 252	613	1, 580	600
June 11, 1906 (forest).....	5, 201	7, 757	11, 862	5, 746	6, 254	7, 719
Feb. 19, 1909 (enlarged).....	202, 727	138, 604	177, 214	123, 600	100, 443	123, 245
June 9, 1916 (O & C land grant).....	20, 420	7, 004	—	19, 506	3, 378	—
Dec. 29, 1916 (stock raising).....	3, 543, 582	990, 319	1, 099, 643	2, 358, 231	732, 640	885, 453
Timber and stone.....	—	3, 919	4, 504	—	2, 093	2, 698
Desert land.....	15, 598	17, 494	23, 542	10, 111	12, 443	13, 204
Mineral land.....	—	10, 836	39, 681	—	8, 647	18, 596
Public auction.....	—	22, 224	47, 636	—	11, 589	12, 321
State selection.....	412, 084	—	—	369, 973	—	—
Railroad selection.....	60, 844	—	62, 653	11, 598	—	70, 887
Miscellaneous.....	13, 394	16, 729	1, 490, 021	12, 078	6, 995	1, 694, 786

¹ Includes 211,231 acres in 1932 and 201,844 acres in 1933 certified to States

² Original act

No. 126.—ENTRIES OF PUBLIC AND INDIAN LAND: ACREAGE UNDER ALL ACTS, YEARS ENDED JUNE 30

Item and State	Original entries					Perfected entries, 1933	Patented, 1933
	1916-1920, total	1921-1925, total	1926-1930, total	1931	1932	1933	
Total.....	73, 192, 850	40, 619, 290	20, 611, 977	5, 218, 627	4, 551, 774	3, 117, 781	980, 156
Public land.....	68, 663, 397	39, 508, 619	19, 915, 866	5, 051, 294	4, 415, 663	3, 045, 649	946, 589
Indian land.....	4, 529, 453	1, 110, 670	696, 111	167, 333	136, 111	72, 132	33, 567
All homesteads.....	61, 312, 782	36, 188, 601	19, 072, 070	4, 924, 046	4, 049, 854	2, 714, 029	938, 389
Stock-raising homesteads.....	14, 024, 063	26, 752, 562	15, 357, 627	4, 201, 766	3, 543, 582	2, 358, 231	732, 640
Other entries.....	11, 880, 068	4, 430, 689	1, 539, 907	294, 581	501, 920	403, 752	41, 767
Alabama.....	80, 228	34, 320	3, 970	(⁴)	—	—	1, 203
Alaska.....	99, 153	51, 332	34, 552	6, 730	10, 989	9, 416	6, 908
Arizona.....	6, 894, 068	3, 466, 675	1, 907, 087	547, 561	679, 632	481, 971	108, 069
Arkansas.....	612, 668	215, 396	125, 143	17, 617	15, 241	10, 830	3, 903
California.....	3, 117, 582	2, 621, 522	1, 796, 051	299, 671	285, 423	197, 859	114, 308
Colorado.....	10, 108, 447	5, 084, 809	2, 071, 887	463, 538	373, 900	254, 511	80, 790
Florida.....	188, 097	171, 867	88, 010	4, 486	2, 463	2, 616	1, 223
Idaho.....	3, 971, 195	2, 082, 582	971, 117	219, 325	163, 629	117, 109	48, 080
Kansas.....	436, 717	46, 015	(⁴)	—	—	—	320
Louisiana.....	67, 005	21, 702	3, 573	(⁴)	—	—	4, 984
Michigan.....	41, 020	21, 804	(⁴)	—	—	—	2, 359
Minnesota.....	783, 983	192, 433	55, 817	6, 625	4, 701	4, 694	325
Mississippi.....	63, 203	22, 758	(⁴)	—	—	—	900
Missouri.....	4, 789	160	(⁴)	—	—	—	328
Montana.....	14, 785, 405	4, 903, 929	2, 071, 313	417, 940	359, 661	244, 117	86, 308
Nebraska.....	494, 289	128, 302	63, 267	8, 706	4, 964	3, 818	4, 162
Nevada.....	905, 132	465, 749	356, 179	32, 044	28, 580	28, 020	10, 892
New Mexico.....	9, 381, 322	7, 140, 706	4, 109, 018	1, 505, 688	1, 248, 097	793, 853	245, 107
North Dakota.....	987, 821	136, 312	64, 761	19, 714	20, 888	11, 187	2, 610
Oklahoma.....	192, 220	87, 242	3, 25, 871	(⁴)	—	—	3, 728
Oregon.....	2, 668, 515	2, 140, 957	808, 332	241, 360	117, 025	96, 751	21, 583
South Dakota.....	4, 158, 333	1, 359, 637	327, 119	59, 058	59, 878	35, 938	20, 452
Utah.....	1, 698, 729	1, 633, 737	1, 388, 576	229, 918	174, 133	105, 387	69, 649
Washington.....	1, 229, 018	842, 992	173, 686	24, 978	16, 517	17, 934	3, 453
Wisconsin.....	21, 033	10, 712	(⁴)	—	—	—	547
Wyoming.....	10, 182, 685	7, 704, 901	4, 121, 206	1, 103, 566	994, 781	680, 910	144, 981
General Land Office.....	—	660	37, 483	10, 102	11, 252	20, 830	7, 463

¹ Includes 201,844 acres certified to States.

² 1918-20 only

³ 1926 and 1927 only

⁴ Office closed, entries, if any, subsequent to date of closing are made at the General Land Office

Source of Tables 125 and 126 General Land Office, Department of the Interior

**No. 127.—HOMESTEADS: ACREAGE OF ENTRIES OF PUBLIC LAND, YEARS
ENDED JUNE 30**

Item and State	All homesteads							Stock raising only, 1933
	1911-1915, total	1916-1920, total	1921-1925, total	1926-1930, total	1931	1932	1933	
Original entries, total..	62, 214, 302	58, 783, 329	35, 079, 617	18, 380, 143	4, 757, 384	3, 914, 242	2, 641, 981	2, 297, 931
Alabama.....	249, 902	79, 409	34, 139	¹ 9, 770	(²)			
Alaska.....	25, 342	115, 138	51, 012	33, 549	6, 570	10, 989	8, 277	
Arizona.....	1, 660, 665	1, 153, 864	1, 452, 551	¹ 1, 727, 167	442, 799	301, 628	185, 390	149, 468
Arkansas.....	949, 384	612, 668	215, 172	125, 002	17, 468	15, 174	10, 656	
California.....	2, 192, 577	2, 477, 967	2, 201, 327	1, 608, 383	278, 748	256, 451	187, 034	116, 771
Colorado.....	7, 740, 338	9, 166, 561	4, 368, 182	1, 528, 449	319, 938	254, 295	192, 467	169, 588
Florida.....	544, 376	187, 187	168, 086	86, 305	4, 475	2, 463	2, 616	
Idaho.....	4, 160, 456	3, 285, 340	1, 842, 656	927, 604	213, 899	162, 663	115, 855	102, 563
Kansas.....	355, 466	436, 088	46, 016	(²)				
Louisiana.....	85, 684	65, 117	14, 740	¹ 5, 732	(²)			
Michigan.....	76, 741	41, 020	21, 504	(²)				
Minnesota.....	392, 598	96, 656	47, 147	43, 410	1, 912	1, 586	1, 440	
Mississippi.....	119, 313	63, 203	22, 758	(²)				
Missouri.....	33, 665	4, 189	160	(²)				
Montana.....	19, 078, 259	12, 323, 575 ³	4, 528, 483 ⁴	¹ 1, 866, 547	³ 415, 420	³ 350, 895	³ 232, 957	218, 729
Nebraska.....	5, 106, 548	494, 095	122, 985	63, 187	8, 706	4, 944	3, 818	3, 095
Nevada.....	672, 613	340, 860	281, 532	214, 769	29, 314	25, 539	27, 445	21, 734
New Mexico.....	5, 204, 463	7, 500, 836	6, 765, 794	3, 623, 688	1, 432, 610	¹ 1, 152, 887	721, 579	648, 012
North Dakota.....	2, 129, 644	790, 023	128, 417	57, 256	17, 769	19, 928	10, 987	7, 334
Oklahoma.....	390, 896	183, 756	80, 546	¹ 25, 871	(²)			
Oregon.....	3, 138, 108	2, 599, 364	2, 118, 034	727, 910	177, 461	115, 292	95, 910	60, 794
South Dakota.....	2, 204, 050	2, 861, 849	1, 777, 594	276, 295	42, 613	51, 559	32, 370	30, 539
Utah.....	1, 587, 780	1, 305, 605	1, 456, 411 ³	¹ 1, 260, 956	220, 404	173, 152	102, 247	91, 902
Washington.....	1, 124, 407	603, 091	288, 671	70, 088	18, 920	13, 803	13, 121	5, 969
Wisconsin.....	62, 629	19, 485	10, 071	(²)				
Wyoming.....	2, 928, 357	9, 976, 381	7, 634, 649	4, 064, 145	1, 098, 655	989, 835	677, 253	665, 304
General Land Office.....	40		660	34, 063	9, 705	11, 158	20, 550	6, 129
Original entries, stock-raising homesteads (incl. above).....		13, 721, 422	26, 260, 485	14, 828, 604	4, 054, 431	3, 420, 644	2, 297, 931	

PERFECTED HOMESTEAD ENTRIES, ENTIRE UNITED STATES⁵

Period or year ⁶	All homesteads	Year	All homesteads	Year	All homesteads	Year	All homesteads	Stock-raising
1868-1870.....	1, 379, 116	1891.....	3, 954, 588	1906.....	3, 526, 749	1921.....	7, 726, 740	1, 755, 099
1871-1875.....	6, 215, 783	1892.....	3, 259, 897	1907.....	3, 740, 568	1922.....	7, 307, 034	2, 399, 384
1876-1880.....	11, 670, 439	1893.....	3, 477, 232	1908.....	4, 242, 711	1923.....	5, 594, 259	2, 627, 065
1881-1885.....	12, 630, 328	1894.....	2, 929, 947	1909.....	3, 699, 467	1924.....	4, 791, 436	2, 822, 211
1886-1890.....	16, 330, 272	1895.....	2, 980, 809	1910.....	3, 795, 863	1925.....	4, 048, 911	2, 753, 924
1891-1895.....	16, 602, 473	1896.....	2, 790, 243	1911.....	4, 620, 197	1926.....	3, 451, 106	2, 497, 007
1896-1900.....	15, 275, 648	1897.....	2, 778, 404	1912.....	4, 306, 069	1927.....	2, 583, 627	1, 932, 096
1901-1905.....	19, 812, 637	1898.....	3, 095, 018	1913.....	10, 009, 285	1928.....	1, 815, 549	1, 384, 902
1906-1910.....	19, 005, 358	1899.....	3, 134, 140	1914.....	9, 291, 121	1929.....	1, 700, 950	1, 270, 617
1911-1915.....	35, 407, 654	1900.....	3, 477, 843	1915.....	7, 180, 982	1930.....	1, 371, 073	1, 059, 224
1916-1920.....	38, 909, 565	1901.....	5, 241, 121	1916.....	7, 278, 281	1931.....	1, 352, 861	1, 026, 011
1921-1925.....	29, 468, 380	1902.....	4, 342, 748	1917.....	8, 497, 390	1932.....	1, 209, 894	963, 115
1926-1930.....	10, 922, 305	1903.....	3, 576, 964	1918.....	8, 236, 438	1933.....	906, 578	715, 017
1889.....	3, 681, 709	1904.....	3, 232, 717	1919.....	6, 524, 760			
1890.....	4, 060, 593	1905.....	3, 419, 387	1920.....	8, 372, 696	Total, 1868-1933.....	237, 099, 586	23, 918, 282

¹ 1926 and 1927 only² See note 4, Table 126³ Includes entries of abandoned military reservations⁴ 1918-1920 only⁵ Commuted homesteads are not included⁶ For periods figures are totals, not averages

**No. 128.—STOCK-RAISING HOMESTEADS: ORIGINAL ENTRIES OF PUBLIC AND
INDIAN LAND FROM PASSAGE OF ACT TO JUNE 30, 1933**

State	Entries	Acres	State	Entries	Acres
Total.....	157, 234	66, 237, 891	Nebraska.....	585	108, 313
Arizona.....	5, 823	2, 788, 472	Nevada.....	811	484, 012
Arkansas.....	4	1, 600	New Mexico.....	31, 999	14, 598, 424
California.....	8, 128	3, 287, 434	North Dakota.....	879	266, 744
Colorado.....	20, 103	8, 020, 537	Oklahoma.....	366	171, 349
Idaho.....	7, 359	3, 832, 222	Oregon.....	7, 954	3, 227, 252
Kansas.....	233	58, 506	South Dakota.....	7, 704	2, 630, 510
Michigan.....	5	1, 821	Utah.....	4, 893	2, 662, 522
Minnesota.....	1	75	Washington.....	1, 571	503, 091
Montana.....	20, 358	7, 296, 279	Wyoming.....	38, 232	16, 950, 808
			General Land Office.....	128	17, 920

Source of Tables 127 and 128 General Land Office, Department of the Interior.

No. 129.—TIMBER AND STONE, COAL, MINERAL, AND DESERT LAND ENTRIES OF PUBLIC LAND

State	From passage of act to June 30, 1933				Year ended June 30, 1933 ¹			
	Timber and stone	Coal	Desert land		Timber and stone	Mineral	Desert land	
			Original	Perfected			Original	Perfected
Acreage of entries	13,850,381	604,443	32,813,943	8,654,561	2,093	8,608	10,029	9,082
Alabama.....	43,734	239	-----	-----	-----	-----	-----	-----
Alaska.....	-----	-----	-----	-----	-----	2,083	-----	-----
Arizona.....	2,943	6,693	2,589,059	367,601	-----	184	1,558	836
Arkansas.....	365,573	-----	-----	-----	-----	-----	-----	-----
California.....	2,898,782	5,535	5,195,220	891,121	283	2,389	2,403	1,507
Colorado.....	401,807	² 216,609	3,227,662	713,474	65	209	162	593
Dakota Territory.....	-----	584	20,021	300	-----	-----	-----	-----
Florida.....	109,194	-----	-----	-----	-----	-----	-----	-----
Iowa.....	1,016,951	3,277	3,118,423	1,037,457	40	750	1,254	935
Louisiana.....	150,277	-----	-----	-----	-----	-----	-----	-----
Michigan.....	149,667	-----	-----	-----	-----	-----	-----	-----
Minnesota.....	1,409,175	-----	-----	-----	-----	-----	-----	-----
Mississippi.....	19,818	-----	-----	-----	-----	-----	-----	-----
Montana.....	664,125	64,758	5,982,669	2,768,666	-----	468	-----	310
Nebraska.....	97	-----	-----	-----	-----	-----	-----	-----
Nevada.....	6,542	1,661	654,532	165,047	-----	976	260	600
New Mexico.....	153	26,613	2,159,730	232,855	73	264	160	160
North Dakota.....	8,646	9,624	85,279	20,094	-----	-----	-----	-----
Oklahoma.....	40	-----	-----	-----	-----	-----	-----	-----
Oregon.....	3,817,697	10,572	1,115,706	298,923	360	-----	800	641
South Dakota.....	63,909	3,624	609,291	101,921	-----	5	-----	-----
Utah.....	3,196	75,828	1,512,449	464,133	-----	1,067	1,594	1,697
Washington.....	2,173,686	64,894	998,500	71,025	238	47	32	-----
Wisconsin.....	80,362	-----	-----	-----	-----	-----	-----	-----
Wyoming.....	456,746	113,924	5,545,402	1,521,945	385	162	1,805	1,802
General Land Office.....	7,141	8	-----	-----	200	-----	-----	-----
Number of entries	107,946	4,417	159,792	47,072	22	115	88	73
Money payment, dollars	35,590,046	11,922,602	7,897,020	8,762,686	6,531	32,864	2,508	9,082

¹ No entries for coal land in 1933.² Includes 58,496 acres within the Ute Reservation.

No. 130.—ACREAGE OF PUBLIC LAND CERTIFIED OR PATENTED ON ACCOUNT OF RAILWAY AND WAGON-ROAD GRANTS: YEARS ENDED JUNE 30

	1911-1915, total	1916-1920, total	1921-1925, total	1926-1930, total	1930	1931	1932	1933
Railway grants, total	4,711,489	5,878,674	6,186,079	1,124,880	¹ 73,272	² 49,579	62,345	77,273
Alabama.....	40	120	-----	¹ 399,469	¹ 8,832	² 1,118	-----	-----
Arizona.....	337,533	1,163,775	3,451,578	188,829	34,416	14,184	5,795	44,400
Arkansas.....	80	-----	227	221	120	67	-----	-----
California.....	649,809	319,262	1,032,815	208,604	13,564	10,700	23,498	17,235
Colorado.....	240	160	14,482	160	-----	-----	7	-----
Florida.....	19,975	-----	639	1,005	845	80	-----	-----
Idaho.....	203,971	102,108	170,611	-----	-----	1,127	345	843
Iowa.....	11	80	-----	73	73	-----	-----	-----
Kansas.....	-----	-----	40	19	-----	-----	-----	-----
Louisiana.....	9,441	484	-----	1,044	80	-----	-----	-----
Michigan.....	55	-----	-----	510	153	-----	-----	316
Minnesota.....	24,823	5,744	328	5,220	226	-----	116	96
Missouri.....	-----	240	600	-----	-----	-----	-----	-----
Montana.....	2,862,095	1,704,549	251,343	2,716	2,716	5,405	14,507	1,141
Nebraska.....	-----	-----	200	436	-----	-----	42	-----
Nevada.....	76,394	515,222	712,564	163,700	6,866	8,880	4,207	11,368
New Mexico.....	70,505	1,525,406	344,121	146,482	3,792	40	11,741	1,546
North Dakota.....	53,597	623	70	-----	-----	-----	-----	-----
Oregon.....	117,678	39,372	23,986	120	-----	3,750	-----	40
Utah.....	14,617	112,351	160	1,280	80	2,543	-----	-----
Washington.....	257,955	381,113	166,233	2,979	623	1,144	1,807	208
Wisconsin.....	2,041	720	1,405	1,693	566	19	-----	-----
Wyoming.....	10,629	7,344	14,624	320	320	521	282	80
Wagon-road grants	253,234	19,637	34,366	2,788	40	62,530	-----	-----

¹ The 1930 figure includes 8,579 acres for Muscle Shoals (river improvement), the 1926-1930 total includes in addition to this amount 390,321 acres for years prior to 1930, which were not previously reported.² Acreage shown for Alabama is for Muscle Shoals River Improvement

Source of Tables 129 and 130: General Land Office, Department of the Interior

No. 131.—ACREAGE OF LAND CERTIFIED OR PATENTED UNDER RAILWAY OR WAGON-ROAD GRANTS FROM 1850 TO JUNE 30, 1933

State grants, total.....	38,206,390	Minnesota, total.....	8,045,965
Illinois Illinois Central.....	2,595,133	St Paul, Minneapolis & Manitoba (formerly first division, St Paul & Pacific).....	8,327,721
Mississippi, total.....	1,075,345	Western R R (succeeded by St Paul & Northern Pacific R R Co).....	
Mobile & Ohio River.....	737,130	St Paul, Minneapolis & Manitoba (formerly St Vincent extension of the St Paul & Pacific).....	
Vicksburg & Meridian.....	199,102	Minnesota Central.....	
Gulf & Ship Island.....	139,113	Winona & St Peter.....	179,734
Alabama, total.....	3,147,148	St Paul & Sioux City.....	1,681,026
Alabama & Ohio.....	149,528	St Paul & Duluth.....	1,126,619
Alabama & Florida.....	399,023	Southern Minnesota, from a point on the Mississippi River to Houston.....	861,138
Selma, Rome & Dalton.....	458,671	Southern Minnesota Extension (now Chicago, Milwaukee & St. Paul).....	546,745
Cocosa & Tennessee.....	67,956	Hastings & Dakota.....	377,987
Mobile & Girard.....	302,181		
Alabama & Chattanooga.....	654,212		
South & North Alabama.....	445,558		
Muscle Shoals (river improvement).....	400,018		
Florida, total.....	2,218,705		
Florida Central & Peninsular.....	743,832	Minnesota, North Dakota, Montana, and Washington St. Paul, Minneapo- lis & Manitoba, now Great Northern (main and branch), a special act (Aug. 5, 1892, 27 Stat L 390) to provide for indemnity for lands relinquished by the company.....	(4)
Florida & Alabama.....	166,691		
Pensacola & Georgia.....	1,279,237		
Florida, Atlantic & Gulf Central.....	29,384		
Louisiana Vicksburg, Shreveport & Pa- cific.....	373,057		
Arkansas, total.....	2,562,610		
St Louis, Iron Mountain & Southern.....	1,325,711	Kansas, total.....	4,634,237
Little Rock & Fort Smith.....	1,052,083	Leavenworth, Lawrence & Galveston.....	249,446
Memphis & Little Rock.....	184,817	Missouri, Kansas & Texas.....	570,593
Missouri, total.....	1,837,968	Atchison, Topeka & Santa Fe.....	2,944,788
Southwest branch of the Pacific road.....	1,161,285	St. Joseph & Denver City.....	463,409
Hannibal & St Joseph.....	611,323		
St. Louis, Iron Mountain & Southern.....	65,360		
Iowa, total.....	4,929,923		
Burlington & Missouri River.....	389,990	Corporation grants, total.....	94,155,512
Chicago, Rock Island & Pacific.....	483,214	Central Pacific.....	7,464,314
Cedar Rapids & Missouri River.....	161,533	Central Pacific (Western Pacific).....	462,130
Dubuque & Sioux City.....	922,898	Central Pacific (California & Oregon).....	3,236,487
Iowa Falls & Sioux City.....	244,023	Union Pacific.....	11,935,603
Des Moines Valley (river-improve- ment grant).....	556,407	Union Pacific (Central branch).....	223,142
Chicago, Milwaukee & St. Paul, for- merly McGregor & Missouri River.....	683,057	Union Pacific (Kansas division).....	6,170,884
Sioux City & St. Paul.....	840,171	Union Pacific (Denver Pacific).....	821,331
Michigan, total.....	3,134,058	Santa Fe Pacific (Atlanta & Pacific).....	11,546,251
Port Huron & Lake Michigan.....	37,467	Burlington & Missouri River in Ne- braska.....	2,374,091
Jackson, Lansing & Saginaw.....	744,256	Sioux City & Pacific (Missouri Val- ley Land Co.).....	42,611
Grand Rapids & Indiana.....	852,521	Northern Pacific.....	39,064,558
Flint & Pere Marquette.....	513,169	Oregon Central.....	128,618
Marquette, Houghton & Ontonagon.....	305,930	Oregon & California.....	2,777,632
Ontonagon & Brule River.....	34,227	New Orleans Pacific.....	1,001,943
Bay de Noyet & Marquette.....	128,301	Southern Pacific (main line).....	4,655,011
Chicago & North Western.....	518,186	Southern Pacific (branch line).....	2,245,406
Wisconsin, total.....	3,652,242		
Chicago, St. Paul, Minneapolis & Omaha (formerly West Wisconsin).....	814,831	Wagon roads, total.....	3,359,188
Wisconsin Railroad Farm Mortgage Land Co.....	163,160	From Lake Erie to Connecticut Western Reserve.....	80,774
Chicago, St. Paul, Minneapolis & Omaha (formerly St. Croix & Lake Superior).....	816,488	From Lake Michigan to Ohio River.....	170,580
Branch to Bayfield.....	471,721	From Fort Wilkens, Copper Harbor, Mich. to Green Bay, Wis.....	302,931
Chicago & North Western.....	546,767	From Fort Wilkens, Copper Harbor, Mich. to Wisconsin State line.....	221,013
Wisconsin Central.....	839,276	Oregon Central Military Co (now Cali- fornia & Oregon Land Co.).....	940,514
		Corvallis and Yaquina Bay.....	83,717
		Willamette Valley and Cascade Moun- tain.....	861,512
		Dalles Military Road.....	592,907
		Coos Bay Military Road.....	105,240

¹ In the adjustment of this grant the road was treated as an entirety and without reference to the State line. Hence Alabama has had approved to her more and Mississippi less than they would appear to be entitled to in proportion to the length of road in the respective States.

² Includes 35,685 acres of the Chicago, Rock Island & Pacific Ry; 109,757 acres of the Cedar Rapids & Missouri River R R; and 77,535 acres of the Dubuque & Sioux City R R., situated in the old Des Moines River grant of Aug. 8, 1846, which should be deducted

³ Declared to be a grant.

⁴ See Minnesota for original grants.

⁵ Leavenworth, Lawrence & Galveston includes 186,937 acres and Missouri, Kansas & Texas 270,971 acres in the Osage ceded reservation which are to be deducted under decision of the Supreme Court

Source: General Land Office, Department of the Interior.

No. 132.—LAND GRANTS (INCLUDING SCRIP) TO STATES FOR EDUCATIONAL AND OTHER PURPOSES: ACREAGE TO JUNE 30, 1933

NOTE—Does not include grants to States for specific railroad and wagon-road companies covered by Table 131. The column "Internal improvements" covers only general items so designated

State	Total	Common schools	Universities and agricultural education	Other educational	Miscellaneous institutions	Internal improvements	Swamp	All other
Total	203, 995, 679	99, 188, 946	13, 714, 597	3, 223, 387	18, 844, 930	11, 469, 245	64, 827, 635	7, 326, 939
Alabama.....	2, 258, 264	911, 627	286, 080	96, 080	181	500, 000	439, 638	24, 660
Alaska.....	21, 445, 209	21, 009, 209	436, 000	-----	-----	-----	-----	-----
Arizona.....	10, 539, 236	8, 093, 156	396, 080	450, 000	500, 000	-----	-----	1, 100, 000
Arkansas.....	9, 372, 993	933, 778	196, 080	-----	-----	500, 000	7, 686, 455	56, 680
California.....	8, 426, 764	5, 534, 293	196, 080	-----	-----	500, 000	2, 189, 991	6, 400
Colorado.....	4, 433, 538	3, 685, 618	137, 680	-----	32, 000	500, 000	-----	78, 240
Connecticut.....	180, 000	-----	180, 000	-----	-----	-----	-----	-----
Delaware.....	90, 000	-----	90, 000	-----	-----	-----	-----	-----
Florida.....	21, 980, 009	975, 307	90, 000	92, 160	-----	500, 000	20, 317, 422	5, 120
Georgia.....	270, 000	-----	270, 000	-----	-----	-----	-----	-----
Idaho.....	3, 632, 157	2, 968, 698	186, 080	200, 000	1 250, 000	-----	-----	32, 379
Illinois.....	3, 639, 281	996, 320	480, 000	46, 080	-----	533, 368	1, 459, 924	123, 589
Indiana.....	4, 306, 254	668, 578	390, 000	46, 080	-----	1, 916, 805	1, 259, 191	25, 600
Iowa.....	3, 019, 686	988, 196	286, 080	-----	-----	500, 000	1, 196, 130	49, 280
Kansas.....	3, 606, 910	2, 907, 520	143, 762	-----	-----	500, 000	-----	55, 628
Kentucky.....	352, 509	-----	330, 000	-----	22, 509	-----	-----	-----
Louisiana.....	11, 031, 047	807, 271	210, 212	46, 080	-----	500, 000	9, 467, 484	-----
Maine.....	210, 000	-----	210, 000	-----	-----	-----	-----	-----
Maryland.....	210, 000	-----	210, 000	-----	-----	-----	-----	-----
Massachusetts.....	360, 000	-----	360, 000	-----	-----	-----	-----	-----
Michigan.....	8, 787, 573	1, 021, 867	286, 080	-----	-----	500, 000	5, 680, 110	1, 299, 516
Minnesota.....	8, 373, 462	2, 874, 951	212, 160	-----	-----	500, 000	4, 705, 479	80, 872
Mississippi.....	5, 020, 774	824, 213	302, 160	23, 040	23, 040	500, 000	3, 347, 068	1, 253
Missouri.....	5, 577, 223	1, 221, 813	330, 000	46, 080	-----	500, 000	3, 430, 690	48, 640
Montana.....	5, 869, 618	5, 198, 258	186, 560	202, 000	100, 000	-----	-----	182, 800
Nebraska.....	3, 458, 711	2, 730, 951	136, 080	-----	32, 000	500, 000	-----	59, 680
Nevada.....	2, 723, 647	2, 061, 967	46, 080	90, 000	12, 800	500, 000	-----	12, 800
New Hampshire.....	150, 000	-----	150, 000	-----	-----	-----	-----	-----
New Jersey.....	210, 000	-----	210, 000	-----	-----	-----	-----	-----
New Mexico.....	12, 732, 694	8, 711, 324	562, 703	726, 667	750, 000	-----	-----	1, 982, 000
New York.....	990, 000	-----	990, 000	-----	-----	-----	-----	-----
North Carolina.....	270, 000	-----	270, 000	-----	-----	-----	-----	-----
North Dakota.....	3, 163, 552	2, 495, 896	216, 080	120, 000	1 250, 000	-----	-----	82, 076
Ohio.....	2, 493, 066	724, 266	630, 000	69, 120	-----	1, 019, 072	26, 332	24, 216
Oklahoma.....	3, 095, 760	2, 044, 000	600, 000	450, 000	1, 760	-----	-----	-----
Oregon.....	4, 353, 535	3, 399, 360	136, 080	-----	-----	500, 000	264, 213	53, 882
Pennsylvania.....	780, 000	-----	780, 000	-----	-----	-----	-----	-----
Rhode Island.....	120, 000	-----	120, 000	-----	-----	-----	-----	-----
South Carolina.....	180, 000	-----	180, 000	-----	-----	-----	-----	-----
South Dakota.....	3, 434, 203	2, 733, 084	246, 080	120, 000	1 250, 640	-----	-----	84, 399
Tennessee.....	300, 000	-----	300, 000	-----	-----	-----	-----	-----
Texas.....	180, 000	-----	180, 000	-----	-----	-----	-----	-----
Utah.....	7, 464, 276	5, 844, 196	356, 080	200, 000	500, 000	-----	-----	564, 000
Vermont.....	150, 000	-----	150, 000	-----	-----	-----	-----	-----
Virginia.....	300, 000	-----	300, 000	-----	-----	-----	-----	-----
Washington.....	3, 044, 471	2, 376, 391	136, 080	200, 000	1 200, 000	-----	-----	132, 000
West Virginia.....	150, 000	-----	150, 000	-----	-----	-----	-----	-----
Wisconsin.....	6, 220, 748	982, 329	332, 160	-----	-----	500, 000	3, 357, 510	1, 048, 749
Wyoming.....	4, 138, 569	3, 470, 009	136, 080	-----	2 420, 000	-----	-----	112, 480

¹ Includes "Educational and charitable" as follows Idaho, 150,000 acres, North Dakota, 170,000 acres, South Dakota, 170,000 acres, Washington, 200,000 acres

² Includes educational, penal, etc., 290,000 acres

Source: General Land Office, Department of the Interior.

No. 133.—RECEIPTS UNDER THE MINERAL LEASING ACT OF FEBRUARY 25, 1920: FROM THE PASSAGE OF THE ACT TO JUNE 30, 1933

State	Total	1921-1928, total	1929	1930	1931	1932	1933
	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
Total.....	88,975, 128	68, 328, 906	3, 884, 879	4, 738, 268	3, 531, 655	3, 236, 978	3, 258, 440
Alabama.....	145, 756	91, 901	8, 818	14, 500	12, 453	8, 983	9, 102
Arizona.....	304				101		203
California.....	22, 903, 036	17, 333, 531	644, 191	1, 009, 373	870, 454	1, 402, 264	1, 643, 223
Colorado.....	828, 455	421, 689	101, 903	97, 858	83, 581	70, 023	53, 400
Idaho.....	23, 741	5, 742	2, 986	2, 851	6, 093	4, 834	1, 225
Louisiana.....	52, 991	23, 064	12, 118	3, 886	3, 532	5, 578	4, 813
Montana.....	1, 962, 894	1, 521, 756	113, 188	109, 479	91, 697	69, 099	57, 716
Nevada.....	9, 256	5, 120	730	830	80	2, 256	240
New Mexico.....	654, 059	70, 004	45, 273	118, 148	163, 433	118, 108	139, 093
North Dakota.....	209, 174	75, 026	30, 411	23, 721	22, 628	23, 871	33, 516
Oregon.....	21					21	
South Dakota.....	2, 191	601	40	130	560	362	498
Utah.....	680, 322	257, 719	88, 887	81, 502	87, 813	84, 545	79, 857
Washington.....	53, 754	25, 401	452	1, 531	4, 908	11, 924	9, 537
Wyoming.....	59, 449, 232	48, 495, 351	2, 835, 871	3, 274, 459	2, 184, 423	1, 435, 110	1, 224, 017

¹ This total consists of "future" production, \$74,882,404, "past" production, \$6,452,758, and production from naval petroleum reserves, \$5,639,964

No. 134.—ACREAGE OF PUBLIC LAND WITHDRAWN FROM SETTLEMENT AND RESTORATIONS THEREFROM

NOTE.—These figures cover withdrawals and restorations for purposes shown only. They do not include national forests (see tables in section 29, Forests and Forest Products), national parks, withdrawals under the reclamation act, or small miscellaneous reservations

	Coal land	Oil land	Phosphate land	Potash land	Power-site reserve ¹	Reservoir sites	Public water reserve
Withdrawals outstanding June 30—							
1925.....	31, 442, 263	5, 940, 921	2, 319, 863	130, 100	4, 243, 768	210, 422	357, 307
1926.....	31, 128, 509	5, 802, 617	2, 320, 023	7, 548, 537	4, 499, 621	253, 608	359, 566
1927.....	30, 535, 330	5, 273, 362	2, 307, 919	7, 548, 537	4, 915, 131	253, 608	362, 521
1928.....	29, 940, 372	5, 275, 236	2, 031, 306	7, 548, 216	4, 994, 937	254, 528	392, 876
1929.....	29, 883, 366	5, 183, 096	2, 005, 045	9, 411, 939	5, 079, 487	254, 050	405, 231
1930.....	29, 825, 446	5, 183, 096	2, 004, 765	9, 411, 939	5, 118, 942	254, 050	419, 339
1931.....	29, 685, 974	5, 259, 426	2, 004, 765	9, 411, 906	5, 077, 532	254, 010	427, 774
1932.....	29, 676, 854	5, 259, 426	2, 004, 765	9, 411, 906	4, 949, 421	254, 010	437, 229
1933.....	28, 255, 604	5, 259, 426	2, 004, 765	9, 411, 906	4, 910, 683	254, 010	471, 401
Alabama.....					1, 789		
Alaska.....	28, 366				216, 554		17
Arizona.....	139, 415	356			1, 139, 539		22, 665
Arkansas.....					24, 833		
California.....	17, 603	1, 289, 912		90, 324	616, 121	45, 226	209, 683
Colorado.....	4, 142, 233	217, 304			424, 405		10, 258
Florida.....			66, 796				
Idaho.....	4, 761		391, 532		402, 707		18, 262
Louisiana.....		466, 990					
Michigan.....					1, 240		
Minnesota.....					12, 309		
Montana.....	6, 442, 691	1, 336, 929	279, 944		169, 636	9, 080	10, 376
Nebraska.....					761		
Nevada.....	83, 673			39, 422	60, 251		17, 006
New Mexico.....	5, 081, 689			9, 282, 160	245, 370		10, 006
North Dakota.....	5, 954, 364	84, 894					
Oregon.....	4, 361				652, 595	18, 603	34, 182
South Dakota.....							240
Utah.....	3, 404, 043	1, 341, 264	277, 344		588, 044	26, 040	43, 121
Washington.....	691, 801				252, 483	36, 327	960
Wyoming.....	2, 260, 604	541, 777	989, 149		92, 466	118, 734	94, 625
New withdrawals during year ended June 30—							
1930.....	206				81, 829		16, 513
1931.....	17, 280	91, 520			20, 042		10, 480
1932.....	10, 880				36, 687		9, 855
1933.....					3, 560		37, 784
Restorations of land previously withdrawn, year ended June 30—							
1930.....	58, 126		280		42, 374		2, 405
1931.....	176, 752	15, 190		33	61, 452	40	2, 045
1932.....					164, 798		400
1933.....	1, 421, 250				42, 298		3, 612

¹ Includes withdrawals under act of June 25, 1910, power-site designations under acts of June 20, 1910, and June 9, 1916, and power-site classifications under act of Mar. 3, 1879.

Source of Tables 133 and 134. General Land Office, Department of the Interior

No. 135.—PUBLIC LAND: ACRES UNAPPROPRIATED AND UNRESERVED, JUNE 30

State	1890	1900	1910	1920	1930	1932	1933
Total	1,586,216,861	1,557,643,120	343,971,674	200,320,128	178,979,446	173,318,246	172,084,580
Alabama.....	1,105,060	539,250	108,210	37,200	(²)	—	—
Arizona.....	49,699,052	50,286,986	41,491,369	18,268,099	15,180,880	13,581,760	13,203,600
Arkansas.....	4,902,329	3,493,444	512,705	276,695	190,969	175,924	(²)
California.....	53,922,718	42,467,512	24,864,884	19,585,801	16,623,488	15,712,567	16,576,463
Colorado.....	39,994,446	39,650,247	21,726,192	8,941,185	8,027,468	7,467,977	7,545,773
Florida.....	5,624,426	1,596,411	453,009	120,077	18,897	32,303	(²)
Idaho.....	46,957,290	43,286,694	24,743,804	8,805,112	10,617,970	10,865,472	10,510,421
Iowa.....	5,000	(²)	—	—	—	—	—
Kansas.....	755,791	1,196,900	137,180	4,346	(²)	—	—
Louisiana.....	1,358,853	442,224	88,911	14,240	(²)	—	—
Michigan.....	832,707	430,483	107,890	73,523	(²)	—	—
Minnesota.....	6,913,554	4,696,203	1,563,302	256,297	189,845	269,451	(²)
Mississippi.....	1,407,480	285,804	47,058	33,360	(²)	—	—
Missouri.....	1,161,463	337,946	2,510	18	(²)	—	—
Montana.....	64,807,627	67,963,087	36,015,943	5,973,741	6,601,677	6,238,429	6,176,931
Nebraska.....	11,226,584	9,798,688	1,379,486	66,844	22,628	20,225	(²)
Nevada.....	50,804,540	61,277,506	56,474,688	54,287,175	51,454,493	51,221,934	51,270,277
New Mexico.....	56,360,326	56,541,170	36,454,692	18,448,878	15,664,121	13,615,150	13,078,285
North Dakota.....	30,497,400	18,725,239	1,410,225	81,044	146,505	142,694	146,301
Oklahoma.....	³ 3,694,693	5,733,572	5,007	7,404	(²)	—	—
Oregon.....	38,273,228	34,377,907	17,580,573	14,006,757	13,069,136	12,920,334	13,012,158
South Dakota.....	10,241,498	11,930,809	4,562,804	288,472	439,880	419,270	516,680
Utah.....	36,205,100	42,967,451	35,955,554	29,991,715	23,881,445	25,197,820	25,011,021
Washington.....	19,646,316	11,125,883	3,196,059	1,086,686	920,584	708,363	709,646
Wisconsin.....	819,320	313,565	14,460	5,154	(²)	—	—
Wyoming.....	49,010,060	48,358,169	34,675,159	19,679,595	15,929,460	14,728,953	14,327,024

¹ Exclusive of the Cherokee Strip, containing 8,004,644 acres, and all other lands owned or claimed by the Indians in the Indian Territory west of the ninety-sixth degree of longitude.

² Offices closed, areas in these States have not been tabulated subsequently.

³ Figures include 3,672,640 acres of unsurveyed land in public land strip

Source: General Land Office, Department of the Interior

No. 136.—AREA OF INDIAN RESERVATIONS AND INDIAN POPULATION OF THE UNITED STATES, EXCLUSIVE OF ALASKA: JUNE 30

State	Area of Indian reservations—unallotted square miles					Indian population ¹				
	1900	1910	1920	1930	1933	1900	1910	1920	1930	1933
Total	121,665	64,135	55,792	50,151	74,060	270,544	304,850	336,337	340,541	320,454
Arizona.....	23,673	30,242	34,195	31,881	27,686	40,189	38,475	42,400	47,072	² 43,927
California.....	635	567	690	774	987	11,431	20,976	16,241	19,197	19,304
Colorado.....	—	756	619	619	680	995	815	796	813	819
Florida.....	—	37	42	42	42	575	358	454	578	568
Idaho.....	2,132	760	87	90	780	3,557	3,988	4,048	3,890	4,202
Kansas.....	44	1	—	2	58	1,211	1,385	1,466	1,602	³ 1,810
Michigan.....	13	—	—	—	20	7,557	6,784	7,610	³ 1,192	³ 1,192
Minnesota.....	2,448	910	865	868	1,145	8,932	11,095	12,681	15,767	14,922
Montana.....	14,845	8,682	5,638	1,183	8,444	10,076	10,766	12,374	14,238	14,983
Nebraska.....	117	11	10	12	104	3,854	3,784	2,461	4,358	4,446
Nevada.....	1,491	1,073	1,135	1,300	1,324	8,321	6,192	5,900	4,975	5,083
New Mexico.....	2,606	2,889	3,278	5,524	8,141	9,480	18,837	21,530	28,113	² 34,196
New York.....	137	137	137	137	—	5,334	5,476	6,432	4,445	⁴ 4,523
North Carolina.....	154	99	99	99	99	1,436	1,999	8,268	3,194	3,247
North Dakota.....	5,784	2,031	156	2	4,794	8,276	8,256	9,018	10,793	9,911
Oklahoma ⁵	41,246	4,695	5	60	3,586	⁶ 100,191	⁶ 117,088	⁶ 119,255	⁶ 121,884	⁶ 94,707
Oregon.....	2,031	1,995	1,860	1,756	2,337	4,063	3,477	6,629	4,518	4,609
South Dakota.....	14,050	4,564	568	382	6,780	19,212	20,303	23,010	23,726	26,558
Texas.....	—	—	—	5	5	290	470	702	250	250
Utah.....	3,186	280	526	532	2,537	2,115	1,697	3,057	1,591	1,785
Washington.....	3,646	3,790	2,655	1,330	2,724	9,827	9,625	11,114	12,572	13,200
Wisconsin.....	595	477	424	428	656	10,726	10,303	10,819	11,705	11,959
Wyoming.....	2,828	149	2,899	3,120	1,123	1,642	1,701	1,748	2,014	2,115
Miscellaneous.....	4	5	—	5	9	1,234	1,100	8,024	2,054	2,138

¹ An Indian, as defined by the Indian Service, represents a person of Indian blood who, through wardship, treaty, or inheritance, has acquired certain rights. Indians are accredited to the State where enrolled though an Indian may be carried on the rolls because of tribal or inheritance rights and reside elsewhere. Reservation and nonreservation Indians are included. Beginning 1930, Indians no longer under the jurisdiction of the Indian Office are not included (see also note 6). Figures for 1930 and 1933 are as of Apr. 1.

² Prior to 1933 the entire population of the Southern Navajo Reservation was reported under Arizona. In 1933 the part extending over into New Mexico was included with that State.

³ 1927 ⁴ Estimate ⁵ Includes Indian Territory for 1900.

⁶ Figures include data for the Five Civilized Tribes as follows: 1900, 84,570; 1910, 101,278; 1920 and 1930, 101,506 (final role of Mar. 4, 1907), including 23,405 freedmen and 2,582 intermarried whites. The 1933 figure includes 72,643 Indian members as reported by the Bureau of the Census, the freedmen and intermarried whites having been dropped from the rolls since they were not Indians though they had the legal rights of Indians.

Source: Commissioner of Indian Affairs, Department of the Interior

7. CLIMATE

No. 137.—CLIMATIC CONDITIONS: SELECTED CITIES IN THE UNITED STATES

NOTE.—The table presented herewith shows the more important facts concerning the weather at a number of points in the United States selected with a view to covering all the important climatic sections and including at least one from each State. The temperature extremes include the entire period of observations to Dec 31, 1933. Other data are long-time averages covering periods ranging from 20 to more than 50 years. All monthly mean temperature values except those at Asheville, Hartford, Miami, Providence, and Wilmington, are normals, based on long records. Similarly, all monthly averages of precipitation are normals except the amounts given at Wilmington. Average hourly wind velocity data are reduced to true velocities. Temperatures are Fahrenheit.

Station	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept.	Oct	Nov.	Dec.	Annual
ALABAMA, MONTGOMERY													
Temperature													
Monthly mean.....	48.2	51.6	57.8	65.3	73.4	79.6	81.7	80.8	76.3	66.6	55.8	49.4	65.5
Daily mean maximum.....	57.7	60.7	67.7	75.5	83.2	89.7	90.9	89.8	86.4	76.4	66.1	58.6	75.2
Daily mean minimum.....	40.0	42.5	48.1	55.1	63.0	70.1	72.4	71.8	67.5	56.2	46.1	41.0	56.2
Highest on record.....	80	84	90	92	99	106	107	103	106	96	85	81	107
Lowest on record.....	5	-5	20	30	43	48	61	58	45	31	18	8	-5
Precipitation													
Total, inches.....	5.20	5.45	5.99	4.30	3.84	3.80	4.86	4.23	2.99	2.46	3.23	4.84	51.19
Days with 0.01 inch or more.....	11	10	10	8	9	11	12	11	8	6	7	10	113
Total snowfall, inches.....	0.2	0.3	(¹)	(¹)	0	0	0	0	0	0	(¹)	0.3	0.8
Percentage of possible sunshine.....	51	53	61	68	70	71	64	67	67	68	63	45	62
Number of clear days.....	9	9	12	12	13	9	8	9	13	16	14	10	134
Hourly wind velocity, miles.....	7.5	8.1	8.3	7.6	6.7	6.3	6.0	5.7	6.3	6.5	6.8	7.2	6.9
ARIZONA, PHOENIX													
Temperature													
Monthly mean.....	51.2	55.1	60.7	67.0	75.0	84.5	89.8	88.5	82.7	70.6	59.7	52.0	69.7
Daily mean maximum.....	64.9	68.9	74.3	82.0	90.2	101.0	103.0	101.2	97.0	86.1	74.6	65.2	84.0
Daily mean minimum.....	38.5	43.0	46.7	52.5	59.6	68.9	76.9	75.6	68.7	55.9	45.2	38.6	55.8
Highest on record.....	84	92	95	103	114	118	118	115	112	105	96	80	118
Lowest on record.....	16	24	30	35	39	49	63	58	47	36	27	22	16
Precipitation													
Total, inches.....	0.80	0.77	0.68	0.40	0.12	0.07	1.07	0.95	0.75	0.47	0.70	1.00	7.78
Days with 0.01 inch or more.....	4	4	4	2	1	1	5	6	3	2	3	4	39
Total snowfall, inches.....	(¹)	(¹)	(¹)	0	0	0	0	0	0	0	(¹)	(¹)	(¹)
Percentage of possible sunshine.....	75	79	82	87	92	93	82	84	89	89	83	77	84
Number of clear days.....	17	15	18	20	23	25	16	18	22	23	20	18	235
Hourly wind velocity, miles.....	5.3	5.7	6.2	6.4	6.5	6.2	6.2	5.8	5.6	5.4	5.2	5.1	5.8
ARKANSAS, LITTLE ROCK													
Temperature													
Monthly mean.....	41.4	44.9	53.0	62.1	70.3	77.4	80.9	79.8	74.1	63.6	52.1	44.2	62.0
Daily mean maximum.....	50.3	53.7	62.4	72.0	79.0	86.9	90.1	89.1	83.9	73.4	61.4	52.2	71.2
Daily mean minimum.....	34.0	36.3	44.0	53.1	60.8	68.7	72.0	70.8	65.3	53.8	43.2	36.1	53.2
Highest on record.....	78	87	90	94	96	102	108	105	104	93	84	78	108
Lowest on record.....	-8	-12	14	28	39	51	58	52	41	27	10	5	-12
Precipitation													
Total, inches.....	4.73	3.84	4.62	5.19	4.78	3.76	3.50	3.75	3.17	2.71	4.19	4.14	48.38
Days with 0.01 inch or more.....	10	9	10	10	10	10	9	9	7	6	8	9	107
Total snowfall, inches.....	2.0	1.3	0.5	(¹)	0	0	0	0	0	(¹)	0.2	1.1	5.1
Percentage of possible sunshine.....	48	53	57	62	66	72	71	72	71	69	57	47	62
Number of clear days.....	10	10	11	11	11	11	12	14	14	16	13	11	144
Hourly wind velocity, miles.....	8.1	8.8	9.4	8.8	7.5	6.4	6.0	5.6	5.9	6.4	7.4	7.9	7.4
CALIFORNIA, FRESNO													
Temperature													
Monthly mean.....	46.2	51.1	55.0	60.2	67.1	75.8	82.1	80.7	73.4	64.0	54.2	46.2	63.0
Daily mean maximum.....	54.2	61.4	66.2	73.8	81.4	91.1	99.2	97.4	89.0	78.5	66.6	54.7	76.1
Daily mean minimum.....	38.0	41.6	44.5	47.8	52.9	59.4	64.9	63.5	57.9	51.0	43.3	38.1	50.2
Highest on record.....	73	84	87	101	110	112	115	113	111	100	86	76	115
Lowest on record.....	17	24	28	34	38	42	50	51	42	36	27	18	17
Precipitation													
Total, inches.....	1.73	1.43	1.58	0.95	0.44	0.08	0.01	0.01	0.21	0.57	0.93	1.45	9.39
Days with 0.01 inch or more.....	8	7	7	4	2	1	(²)	(²)	1	2	4	7	43
Total snowfall, inches.....	0.1	(¹)	(¹)	0	0	0	0	0	0	0	0	(¹)	0.1
Percentage of possible sunshine.....	45	64	72	82	87	94	97	96	92	87	73	48	78
Number of clear days.....	8	12	14	18	22	25	28	29	25	23	17	10	231
Hourly wind velocity, miles.....	4.5	4.9	5.8	6.9	8.0	8.4	7.6	6.9	6.0	4.8	4.1	4.1	6.0

¹ Trace.

² Less than 1 day.

No. 137.—CLIMATIC CONDITIONS, ETC—Continued

Station	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov.	Dec	Annual
CALIFORNIA, LOS ANGELES													
Temperature													
Monthly mean	54.6	55.5	57.5	59.4	62.2	66.4	70.2	71.1	69.0	65.3	60.9	56.6	62.4
Daily mean maximum	64.6	65.5	67.3	69.5	71.6	76.5	81.2	82.0	80.4	76.2	72.7	66.6	72.8
Daily mean minimum	45.6	46.7	48.5	50.4	53.2	56.5	59.7	60.5	58.4	54.7	50.7	47.2	52.7
Highest on record	90	92	99	100	103	105	109	106	108	102	96	89	109
Lowest on record	28	28	31	36	40	46	49	49	44	40	34	30	28
Precipitation													
Total, inches	3.10	3.07	2.78	1.04	0.45	0.08	0.01	0.02	0.17	0.68	1.20	2.63	15.23
Days with 0.01 inch or more	7	6	6	4	2	1	(2)	(2)	1	2	3	6	38
Total snowfall, inches	(1)	(1)	0	0	0	0	0	0	0	0	(1)	(1)	(1)
Percentage of possible sunshine	69	69	68	68	63	70	78	79	77	76	79	73	72
Number of clear days	15	12	13	12	11	13	16	18	17	17	18	17	179
Hourly wind velocity, miles	6.2	6.4	6.5	6.4	6.3	6.1	5.9	5.8	5.7	5.7	5.9	6.2	6.1
CALIFORNIA, SAN DIEGO													
Temperature													
Monthly mean	54.3	55.1	56.7	58.5	60.8	63.9	67.2	68.7	67.1	63.7	59.7	56.0	61.0
Daily mean maximum	62.4	62.9	64.0	65.2	66.2	69.2	72.5	73.9	72.9	70.4	68.3	64.3	67.7
Daily mean minimum	46.5	47.9	49.9	52.6	55.8	58.9	62.4	63.8	61.4	56.8	51.7	48.1	54.6
Highest on record	85	89	99	96	98	96	100	93	110	96	93	84	110
Lowest on record	25	34	36	39	45	50	54	54	50	44	36	32	25
Precipitation													
Total, inches	2.06	2.03	1.72	0.77	0.35	0.05	0.03	0.04	0.08	0.54	0.76	1.87	10.30
Days with 0.01 inch or more	7	7	7	4	3	1	1	1	1	3	6	6	45
Total snowfall, inches	0	0	0	0	0	0	0	0	0	0	0	0	0
Percentage of possible sunshine	68	67	67	68	59	62	68	71	72	72	77	72	69
Number of clear days	15	13	14	14	12	13	17	18	18	18	18	17	187
Hourly wind velocity, miles	6.2	6.7	7.1	7.3	7.3	7.0	6.8	6.7	6.7	6.3	6.1	6.1	6.7
CALIFORNIA, SAN FRANCISCO													
Temperature													
Monthly mean	49.9	52.2	54.2	55.0	56.8	58.5	58.5	59.1	60.9	60.5	56.3	51.3	56.1
Daily mean maximum	54.9	58.2	60.6	62.1	63.2	65.5	65.0	65.2	68.2	67.6	62.8	56.1	62.4
Daily mean minimum	44.7	47.0	48.1	49.2	50.5	52.0	52.7	53.3	54.6	53.6	50.6	46.2	50.2
Highest on record	78	80	86	89	97	100	99	92	101	96	83	74	101
Lowest on record	29	33	33	40	42	46	47	46	47	45	38	27	27
Precipitation													
Total, inches	4.54	3.85	3.14	1.61	0.80	0.18	0.02	0.01	0.45	1.12	2.38	3.95	22.02
Days with 0.01 inch or more	11	10	8	6	4	2	(2)	(2)	2	4	7	11	65
Total snowfall, inches	(1)	(1)	(1)	0	0	0	0	0	0	0	0	(1)	(1)
Percentage of possible sunshine	53	56	63	71	70	76	69	63	70	70	62	56	65
Number of clear days	11	11	12	14	15	17	15	13	16	17	14	11	166
Hourly wind velocity, miles	7.7	7.9	8.8	9.8	10.7	11.4	11.7	11.1	9.6	8.0	7.2	7.5	9.3
COLORADO, DENVER													
Temperature													
Monthly mean	29.8	32.7	39.3	47.1	56.2	66.3	72.2	70.7	62.9	51.2	39.8	32.3	50.0
Daily mean maximum	42.7	44.7	51.2	59.6	68.8	80.2	85.4	84.1	76.5	64.4	52.5	44.1	62.8
Daily mean minimum	18.0	20.8	26.9	35.2	44.2	53.2	59.0	57.8	48.9	37.8	27.4	19.9	37.4
Highest on record	76	77	82	86	92	99	102	105	97	90	79	74	105
Lowest on record	-29	-22	-11	4	19	32	42	40	21	-2	-18	-25	-29
Precipitation													
Total, inches	0.40	0.53	1.04	2.06	2.21	1.38	1.68	1.43	0.99	1.05	0.55	0.73	14.05
Days with 0.01 inch or more	4	6	8	9	10	7	9	6	9	6	5	5	84
Total snowfall, inches	4.8	7.7	10.8	9.7	2.1	(1)	0	0	0.5	4.7	6.4	9.3	56.0
Percentage of possible sunshine	67	67	64	63	61	69	67	67	70	70	67	65	66
Number of clear days	15	12	11	9	8	12	11	11	15	16	15	15	150
Hourly wind velocity, miles	7.6	7.6	8.1	8.3	7.7	7.3	6.8	6.5	6.6	7.0	7.2	7.2	7.3
CONNECTICUT, HARTFORD													
Temperature													
Monthly mean	28.1	27.3	37.2	47.6	58.6	67.2	72.8	70.4	63.9	53.6	42.1	31.4	50.0
Daily mean maximum	36.0	35.5	45.5	56.9	68.6	77.2	82.3	80.0	73.5	63.2	49.7	38.2	58.9
Daily mean minimum	20.8	19.5	28.7	38.2	48.7	57.4	63.1	61.0	54.4	44.0	34.2	24.3	41.2
Highest on record	70	69	82	90	94	98	101	100	95	91	77	67	101
Lowest on record	-12	-14	4	11	32	40	48	43	32	25	6	-18	-18
Precipitation													
Total, inches	3.94	3.83	3.90	3.36	3.60	3.18	4.37	4.29	3.49	3.52	3.55	3.97	44.90
Days with 0.01 inch or more	12	10	11	12	12	11	11	10	9	9	10	10	127
Total snowfall, inches	9.4	12.3	5.5	1.6	(1)	0	0	0	0	(1)	1.1	7.3	37.2
Percentage of possible sunshine	44	53	55	52	54	56	55	55	54	52	46	43	52
Number of clear days	9	10	11	9	10	10	9	10	11	12	8	8	117
Hourly wind velocity, miles	8.0	8.1	8.7	8.7	7.9	7.1	6.9	6.4	6.2	6.9	7.7	7.5	7.5

1 Trace.

2 Less than 1 day

No. 137.—CLIMATIC CONDITIONS, ETC.—Continued

Station	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
DELAWARE, WILMINGTON													
Temperature													
Monthly mean	33 1	32 9	42 3	52 4	63 0	71 4	76 3	74 1	68 3	56 9	45 5	35 2	54 3
Daily mean maximum	40 5	40 8	51 4	62 8	73 6	81 8	85 8	83 3	77 6	66 2	53 5	42 4	63 3
Daily mean minimum	25 5	25 1	32 9	42 1	52 5	61 1	66 8	64 8	58 9	47 7	37 4	28 0	45 2
Highest on record	71	78	80	97	98	102	106	107	98	90	78	70	107
Lowest on record	-10	-12	6	11	31	41	49	47	33	25	11	-7	-12
Precipitation													
Total, inches	3 43	3 27	3 53	3 47	3 57	3 83	5 01	4 87	3 48	3 12	2 87	3 56	44 01
Days with 0.01 inch or more	9	8	10	9	10	9	9	10	7	6	7	9	103
Total snowfall, inches	6 1	6 2	3 3	1 1	0	0	0	0	0	0 1	0 4	4 4	21 6
Number of clear days	14	14	16	15	16	17	17	16	17	18	15	14	189
D C, WASHINGTON													
Temperature													
Monthly mean	33 4	35 3	42 6	53 3	63 7	72 2	76 8	75 0	68 1	57 4	45 2	36 6	55 0
Daily mean maximum	42 1	43 8	52 1	63 5	74 4	82 3	86 5	84 0	78 3	67 0	54 3	44 4	64 4
Daily mean minimum	26 5	27 4	34 2	43 6	54 0	62 8	67 6	65 6	59 2	47 3	37 1	29 1	46 2
Highest on record	77	84	93	95	97	102	106	106	104	93	83	74	106
Lowest on record	-14	-15	4	15	33	43	52	49	36	26	11	-13	-15
Precipitation													
Total, inches	3 55	3 27	3 75	3 27	3 70	4 13	4 71	4 01	3 24	2 84	2 37	3 32	42 16
Days with 0.01 inch or more	11	10	12	11	12	11	11	11	8	8	9	10	124
Total snowfall, inches	6 3	5 9	3 9	0 5	(1)	0	0	0	0	(1)	0 7	3 4	20 7
Percentage of possible sunshine	47	54	56	58	61	63	64	61	62	62	53	48	57
Number of clear days	9	9	10	11	11	11	11	11	12	14	10	10	129
Hourly wind velocity, miles	7 0	7 7	8 5	8 0	6 4	5 6	5 2	4 9	5 1	5 7	6 5	6 6	6 4
FLORIDA, JACKSONVILLE													
Temperature													
Monthly mean	55 4	58 0	62 6	68 7	75 0	79 9	82 1	81 7	78 3	71 1	62 2	56 3	69 3
Daily mean maximum	64 6	66 8	71 8	77 3	83 3	87 9	89 9	89 3	85 5	78 2	70 8	65 3	77 6
Daily mean minimum	47 3	49 3	54 0	59 8	66 4	71 8	73 9	73 7	71 5	63 5	54 1	48 1	61 1
Highest on record	83	86	91	92	98	101	104	101	99	95	86	83	104
Lowest on record	15	10	26	34	46	54	65	64	49	37	26	14	10
Precipitation													
Total, inches	2 80	2 97	2 91	2 38	4 02	5 33	6 71	5 81	7 35	4 46	1 98	3 02	49 74
Days with 0.01 inch or more	9	8	8	7	9	13	15	15	13	9	7	8	121
Total snowfall, inches	(1)	(1)	(1)	0	0	0	0	0	0	0	0	(1)	(1)
Percentage of possible sunshine	56	59	68	72	71	64	64	65	62	59	63	53	63
Number of clear days	11	10	13	13	12	8	8	8	10	12	13	11	129
Hourly wind velocity, miles	9 2	9 5	9 8	9 7	9 2	8 9	8 7	8 4	8 7	9 3	9 0	9 0	9 1
FLORIDA, MIAMI													
Temperature													
Monthly mean	67 6	68 1	70 1	73 8	77 4	80 3	81 7	82 0	81 0	77 7	72 6	68 8	75 1
Daily mean maximum	74 3	75 0	76 6	79 6	82 6	85 4	87 1	87 0	86 1	82 8	77 5	75 5	80 8
Daily mean minimum	62 2	61 6	63 6	67 7	71 3	74 6	76 0	76 5	75 6	72 7	66 4	63 3	69 8
Highest on record	85	88	92	93	94	94	96	96	95	93	88	91	96
Lowest on record	29	27	34	45	50	61	66	67	62	52	36	32	27
Precipitation													
Total, inches	2 52	1 83	2 17	3 09	6 22	6 86	5 42	6 17	8 34	8 44	2 91	1 69	55 66
Days with 0.01 inch or more	9	6	7	8	12	12	15	15	18	16	10	7	135
Total snowfall, inches	0	0	0	0	0	0	0	0	0	0	0	0	0
Percentage of possible sunshine	64	72	74	73	67	62	67	69	65	63	65	67	67
Number of clear days	9	11	12	10	7	5	5	6	5	7	9	10	96
Hourly wind velocity, miles	9 6	9 5	10 0	9 9	9 3	8 4	8 0	8 2	8 8	9 6	10 8	9 2	9 3
FLORIDA, TAMPA													
Temperature													
Monthly mean	60 4	61 9	66 8	70 9	76 3	80 2	81 2	81 5	79 9	74 3	66 9	61 1	71 8
Daily mean maximum	69 9	71 4	75 9	80 4	85 5	88 6	89 3	89 6	88 2	82 5	75 9	70 8	80 7
Daily mean minimum	52 2	53 7	57 7	61 9	67 5	71 9	73 7	73 8	72 3	66 2	58 2	53 3	63 5
Highest on record	83	86	92	91	94	98	97	97	96	93	88	86	98
Lowest on record	23	22	32	38	52	59	65	66	54	43	32	19	19
Precipitation													
Total, inches	2 69	2 56	2 43	2 01	2 99	7 25	7 95	8 18	6 42	3 09	1 72	2 07	49 36
Days with 0.01 inch or more	7	7	6	5	7	14	17	17	15	8	5	7	115
Total snowfall, inches	0	(1)	0	0	0	0	0	0	0	0	0	(1)	(1)
Percentage of possible sunshine	60	66	71	74	73	66	63	65	65	66	66	60	66
Number of clear days	10	11	14	13	11	7	5	5	7	12	13	12	120
Hourly wind velocity, miles	7 9	8 3	8 4	8 3	7 7	7 2	6 8	6 7	7 4	8 2	7 9	7 7	7 7

¹ Trace

No. 137.—CLIMATIC CONDITIONS, ETC.—Continued

Station	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct.	Nov	Dec	Annual
GEORGIA, ATLANTA													
Temperature													
Monthly mean.....	42 6	45 3	52.0	61 0	69 9	76 0	78 1	77 0	72 4	63 0	52 1	44 7	61 2
Daily mean maximum.....	51 1	54.1	61 6	70 3	78 4	85.1	87 0	85.7	81 6	71 4	60 4	52 4	69 9
Daily mean minimum.....	35 4	37 4	43 5	51 6	60 0	67 1	69 7	68 9	64 6	53 8	43 7	37 1	52 7
Highest on record.....	76	78	87	93	97	101	103	100	102	94	82	75	103
Lowest on record.....	-2	-8	8	25	38	39	58	55	43	28	14	1	-8
Precipitation													
Total, inches.....	4 95	4 79	5 30	3 61	3 47	3 74	4 65	4 45	2 99	2 59	3 03	4 70	48 27
Days with 0.01 inch or more.....	12	11	11	10	10	11	13	12	8	7	8	11	124
Total snowfall, inches.....	1 0	0 8	0 2	0 1	0	0	0	0	0	(1)	(1)	0 5	2 6
Percentage of possible sunshine.....	48	53	57	65	68	68	62	61	65	66	61	48	60
Number of clear days.....	10	9	12	12	11	10	8	9	13	16	13	10	133
Hourly wind velocity, miles.....	11 7	12 0	11.8	10 9	9 7	8 8	8 6	8 1	8 9	10.1	10 9	11 2	10 2
IDAHO, BOISE													
Temperature													
Monthly mean.....	29.8	34 8	42.7	50 4	57 1	65 3	72 9	71 8	61 9	51 1	41 0	32.1	50 9
Daily mean maximum.....	37 0	43 1	52 7	62 3	70 4	79 6	89 6	87 9	76 2	63 9	50 0	39 6	62 7
Daily mean minimum.....	21 6	26 4	32 8	38 4	44 8	51 3	57 7	56 4	47 2	39.1	31 0	24 5	39 3
Highest on record.....	62	69	83	92	100	107	113	121	103	95	85	67	121
Lowest on record.....	-28	-13	-5	17	25	30	40	32	23	14	-10	-18	-28
Precipitation													
Total, inches.....	1 73	1 44	1 35	1 18	1 43	0 92	0 24	0 19	0 53	1 24	1 28	1 57	13 10
Days with 0.01 inch or more.....	13	11	10	8	7	6	2	2	4	6	9	11	89
Total snowfall, inches.....	8 4	5 4	2 9	0 8	(1)	(1)	0	0	0	0 1	1 4	5 7	24 7
Percentage of possible sunshine.....	37	52	59	67	72	79	93	86	78	68	51	41	65
Number of clear days.....	5	6	8	9	10	14	21	21	18	14	9	6	141
Hourly wind velocity, miles.....	5 7	6.1	6.9	7 0	6 9	6 3	5 9	5.6	5 6	5.4	5.6	5.5	6 0
ILLINOIS, CHICAGO													
Temperature													
Monthly mean.....	23 7	26 3	35.3	46 9	57.5	67 3	72 5	71.6	65 2	54.0	40.1	28.8	49 1
Daily mean maximum.....	30 8	33 5	42 8	54 7	65 4	75 6	80 4	79.0	73 3	61.7	46 9	35.2	56 6
Daily mean minimum.....	17 6	19 9	28 9	39 5	48 9	59 2	65 0	64.0	57 2	45.9	33 3	22 8	41 8
Highest on record.....	65	68	81	90	94	100	103	102	98	87	77	68	103
Lowest on record.....	-20	-21	-12	17	27	40	50	47	32	14	-2	-23	-23
Precipitation													
Total, inches.....	1 90	2 14	2 58	2 78	3 54	3 30	3 33	3 21	3 14	2 53	2 37	2 04	32 86
Days with 0.01 inch or more.....	11	10	12	11	12	11	9	9	9	9	10	11	124
Total snowfall, inches.....	9 1	8.7	6.1	0 9	(1)	0	0	0	0	0 1	1 7	6.6	33 2
Percentage of possible sunshine.....	45	50	53	58	63	70	73	69	64	59	46	40	58
Number of clear days.....	8	8	8	9	10	10	13	13	12	12	8	7	118
Hourly wind velocity, miles.....	12.6	12.2	13 4	12 8	11.2	10 4	9 8	9.7	10 3	11.0	12 8	12 0	11 5
INDIANA, INDIANAPOLIS													
Temperature													
Monthly mean.....	28 4	31 1	40.0	52 1	62 9	71 6	75 7	73.7	66 9	55.7	42.3	32 2	52 7
Daily mean maximum.....	36 2	38.7	48.6	61 3	72 1	81.3	85 6	83 3	76 8	64.5	49 8	39 1	61 4
Daily mean minimum.....	21 5	23 4	32 0	43 2	53 4	62 7	66 6	64 4	57 8	46 4	34 6	25 5	44 3
Highest on record.....	70	73	84	90	96	100	103	103	98	89	78	69	106
Lowest on record.....	-25	-18	0	19	31	39	48	44	30	22	-5	-15	-25
Precipitation													
Total, inches.....	2 95	2 73	3 93	3 62	3 89	3 62	3 34	3 31	3 40	2 78	3 35	2 98	39.90
Days with 0.01 inch or more.....	13	11	13	12	13	11	10	9	9	9	11	12	133
Total snowfall, inches.....	6 3	4.8	3.7	0 7	0 1	0	0	0	0	0 1	1 3	4.6	21 6
Percentage of possible sunshine.....	43	48	48	55	61	67	72	67	67	61	50	40	57
Number of clear days.....	6	6	6	8	9	8	11	11	12	12	8	6	103
Hourly wind velocity, miles.....	11 6	11.6	12 1	11 8	10 6	9 5	8 8	8.4	9 2	10 0	11.2	11.2	10 5
IOWA, DES MOINES													
Temperature													
Monthly mean.....	20 1	23.7	35.9	50 1	61 3	70 6	75 4	73 1	65 6	53 4	38.4	26.0	49 5
Daily mean maximum.....	29 9	33 7	45 8	60 7	71 5	80 6	86 0	83 7	75 8	63 7	47 6	34.2	59 4
Daily mean minimum.....	12 1	15 5	27 3	40 5	51 1	61 0	65 3	63.0	55 1	43 2	29 5	18.0	40 1
Highest on record.....	65	78	88	92	98	103	109	110	99	91	79	69	110
Lowest on record.....	-30	-26	-10	11	26	37	48	40	26	7	-10	-21	-30
Precipitation													
Total, inches.....	1 07	1 12	1 78	2 91	4 56	4 76	3 50	3 52	3 67	2 50	1 43	1 22	32.04
Days with 0.01 inch or more.....	8	7	9	10	12	11	9	9	9	8	7	8	107
Total snowfall, inches.....	8 6	7.0	5 5	1 1	(1)	0	0	0	0	0 3	2 2	7.2	31 9
Percentage of possible sunshine.....	55	58	57	59	62	67	73	69	63	62	54	50	61
Number of clear days.....	10	9	8	8	8	8	12	13	12	13	10	9	120
Hourly wind velocity, miles.....	7 9	8 4	9.1	9 4	8 4	7 3	6 4	6 0	6.9	7 4	7 9	7 7	7 7

1 Trace.

No. 137.—CLIMATIC CONDITIONS, ETC.—Continued

Station	Jan	Feb	Mar	Apr.	May	June	July	Aug.	Sept	Oct	Nov	Dec	Annual
KANSAS, DODGE CITY													
Temperature													
Monthly mean	29.0	33.2	42.8	53.6	63.5	72.5	78.4	77.7	69.4	56.1	42.6	32.6	54.3
Daily mean maximum	41.5	46.1	56.1	67.0	75.2	85.2	90.4	89.2	82.0	69.4	55.9	44.6	66.9
Daily mean minimum	17.6	21.0	29.0	40.9	51.0	60.9	65.8	64.6	56.4	43.2	29.7	21.0	41.8
Highest on record	79	84	98	95	101	107	108	105	103	94	86	79	108
Lowest on record	-20	-26	-10	13	19	36	46	43	30	10	-13	-15	-26
Precipitation													
Total, inches	0.41	0.77	0.89	1.94	2.89	3.30	3.14	2.67	1.90	1.30	0.73	0.57	20.51
Days with 0.01 inch or more	4	5	6	7	10	9	8	8	6	5	4	4	76
Total snowfall, inches	3.4	5.2	4.3	1.0	(¹)	0	0	0	0	0.3	1.5	3.1	18.8
Percentage of possible sunshine	67	68	68	68	67	73	77	78	76	75	71	67	71
Number of clear days	15	13	14	13	12	15	16	17	17	18	16	15	181
Hourly wind velocity, miles	9.9	10.6	12.4	13.3	12.5	11.9	10.6	10.0	11.0	10.8	10.0	10.0	11.1
KENTUCKY, LOUISVILLE													
Temperature													
Monthly mean	34.4	37.2	45.4	56.4	66.6	74.7	78.6	77.0	70.5	59.3	46.7	37.6	57.0
Daily mean maximum	42.6	45.3	54.5	65.8	75.8	84.2	88.1	86.3	80.5	68.7	54.8	44.9	66.0
Daily mean minimum	27.1	28.8	36.7	46.7	56.4	65.3	69.0	67.3	61.0	49.1	38.7	30.3	48.0
Highest on record	74	78	88	91	98	101	107	105	102	91	79	74	107
Lowest on record	-20	-14	3	21	33	43	54	47	36	23	1	-7	-20
Precipitation													
Total, inches	4.00	3.55	4.39	3.88	3.72	3.82	3.70	3.42	2.78	2.65	3.61	3.74	43.26
Days with 0.01 inch or more	12	10	12	12	11	11	10	9	8	8	10	11	124
Total snowfall, inches	4.3	3.8	2.1	0.2	(¹)	0	0	0	0	0.1	0.4	2.9	13.8
Percentage of possible sunshine	43	49	52	58	62	69	72	69	68	65	52	39	58
Number of clear days	8	7	8	9	10	9	12	12	13	14	10	7	119
Hourly wind velocity, miles	9.8	10.1	10.8	9.9	8.5	7.6	6.9	6.6	7.1	7.8	9.2	9.4	8.6
LOUISIANA, NEW ORLEANS													
Temperature													
Monthly mean	54.2	57.3	62.8	68.8	75.4	80.6	82.4	82.2	79.2	71.0	61.6	55.6	69.3
Daily mean maximum	62.5	65.1	70.9	76.7	83.0	87.9	89.4	89.3	86.2	78.3	71.2	63.4	77.0
Daily mean minimum	47.2	49.9	55.1	61.3	67.7	73.7	75.5	75.6	72.9	64.0	54.5	48.4	62.2
Highest on record	82	84	90	90	96	102	102	100	99	94	89	84	102
Lowest on record	15	7	28	38	52	58	66	63	54	40	29	19	7
Precipitation													
Total, inches	4.34	4.25	4.72	5.24	4.60	5.88	6.37	5.80	5.03	3.30	3.14	4.79	57.46
Days with 0.01 inch or more	10	9	9	7	9	13	15	14	10	7	7	11	121
Total snowfall, inches	0.1	0.2	(¹)	0	0	0	0	0	0	0	0	(¹)	0.3
Percentage of possible sunshine	49	50	57	63	67	63	57	57	64	67	59	45	58
Number of clear days	9	9	11	11	12	9	7	7	12	16	13	9	125
Hourly wind velocity, miles	8.7	9.0	9.1	8.6	8.1	7.1	6.6	6.7	7.6	8.1	8.4	8.7	8.1
MAINE, PORTLAND													
Temperature													
Monthly mean	22.4	23.8	31.8	43.0	53.3	62.5	68.1	66.4	59.6	49.9	38.0	27.6	45.5
Daily mean maximum	30.6	31.4	39.6	50.4	61.2	70.8	76.1	74.0	67.7	57.3	45.1	34.1	53.2
Daily mean minimum	15.3	15.9	25.3	35.3	45.5	54.1	60.0	58.7	54.2	42.4	31.8	20.5	38.2
Highest on record	65	58	79	89	94	96	103	98	96	85	74	65	103
Lowest on record	-18	-17	-7	9	27	38	48	45	32	22	-6	-21	-21
Precipitation													
Total, inches	3.97	4.00	3.86	3.38	3.40	3.28	3.24	3.14	3.10	3.14	3.46	3.97	41.94
Days with 0.01 inch or more	13	11	12	11	12	11	12	11	10	10	11	12	136
Total snowfall, inches	18.7	19.8	12.0	4.8	(¹)	0	0	0	(¹)	(¹)	4.3	12.4	72.0
Percentage of possible sunshine	53	58	59	55	58	61	64	63	61	56	48	50	57
Number of clear days	10	11	10	10	10	12	11	11	12	11	10	10	128
Hourly wind velocity, miles	8.9	9.1	9.6	9.3	8.7	7.8	7.4	7.0	7.6	8.2	8.9	8.8	8.4
MARYLAND, BALTIMORE													
Temperature													
Monthly mean	33.8	35.4	42.3	53.6	64.4	72.7	77.2	75.5	68.5	58.2	46.3	37.2	55.4
Daily mean maximum	41.6	42.8	50.9	62.1	73.2	81.7	86.0	83.4	77.5	66.3	53.9	44.0	63.6
Daily mean minimum	27.8	28.4	34.9	44.6	55.3	64.2	69.2	67.2	61.1	49.5	39.2	30.7	47.7
Highest on record	79	83	88	94	98	101	104	105	101	92	82	73	105
Lowest on record	-6	-7	5	15	34	46	54	51	39	30	12	-3	-7
Precipitation													
Total, inches	3.50	3.39	3.71	3.34	3.54	3.88	4.64	4.37	3.37	2.89	2.56	3.37	42.56
Days with 0.01 inch or more	11	11	12	11	11	11	11	11	8	8	9	11	125
Total snowfall, inches	6.3	6.4	4.5	0.8	(¹)	0	0	0	0	0.1	0.6	4.0	22.7
Percentage of possible sunshine	48	56	58	60	60	63	65	62	65	63	54	49	59
Number of clear days	9	9	10	10	10	9	10	10	12	13	10	9	121
Hourly wind velocity, miles	7.5	8.0	8.4	8.3	7.5	7.2	7.0	6.7	6.8	7.1	7.3	7.5	7.4

¹ Trace.

No. 137.—CLIMATIC CONDITIONS, ETC.—Continued

Station	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec.	An- nual
MASSACHUSETTS, BOSTON													
Temperature													
Monthly mean	27.9	28.8	35.6	46.4	57.1	66.5	71.7	69.9	63.2	53.6	42.0	32.5	49.6
Daily mean maximum	36.1	36.3	44.0	54.5	65.7	75.3	80.5	77.8	71.6	61.4	49.7	39.3	57.7
Daily mean minimum	20.4	20.6	28.5	38.3	48.7	57.8	63.7	62.0	55.6	45.5	35.2	25.0	41.8
Highest on record	70	68	83	89	97	100	104	98	102	90	78	69	104
Lowest on record	-13	-11	-8	11	31	42	46	47	34	25	-2	-17	-17
Precipitation													
Total, inches	3.61	3.37	3.57	3.34	3.18	2.89	3.49	3.62	3.14	3.15	3.33	3.45	40.14
Days with 0.01 inch or more	12	10	12	11	11	10	10	10	9	9	10	11	125
Total snowfall, inches	11.7	12.5	7.6	2.3	(1)	0	0	0	0	(1)	1.6	8.1	43.8
Percentage of possible sun- shine	49	58	57	58	59	63	64	63	62	56	48	48	57
Number of clear days	9	10	9	9	9	10	9	11	12	11	9	9	118
Hourly wind velocity, miles	11.2	11.5	11.7	10.9	10.0	9.5	9.1	8.8	9.3	10.0	10.8	11.0	10.3
MICHIGAN, DETROIT													
Temperature													
Monthly mean	24.4	25.3	33.4	46.2	58.0	67.4	72.1	70.3	63.5	52.5	39.8	29.3	48.5
Daily mean maximum	31.4	32.2	41.4	54.8	67.0	76.5	81.6	79.1	72.4	60.0	45.6	35.1	56.4
Daily mean minimum	18.6	18.5	26.5	37.5	48.6	58.5	61.8	55.8	44.6	33.2	22.6	10.4	40.9
Highest on record	66	65	81	88	95	100	101	104	97	88	77	66	104
Lowest on record	-16	-20	-7	8	28	38	48	45	30	22	0	-24	-24
Precipitation													
Total, inches	2.07	2.18	2.40	2.46	3.21	3.56	3.32	2.78	2.90	2.38	2.44	2.35	32.05
Days with 0.01 inch or more	13	12	13	11	13	11	9	9	10	10	12	14	137
Total snowfall, inches	10.7	9.6	7.5	1.9	0.2	0	0	0	0	0.1	2.6	9.1	41.7
Percentage of possible sun- shine	36	41	47	51	58	65	68	65	60	52	35	27	50
Number of clear days	5	6	7	9	9	10	12	12	11	10	6	4	101
Hourly wind velocity, miles	12.8	10.7	12.6	11.9	9.5	9.4	8.8	8.1	9.5	9.7	11.6	10.5	10.4
MINNESOTA, MINNEAPOLIS													
Temperature													
Monthly mean	12.7	15.9	29.6	46.4	57.7	67.5	72.3	69.9	61.4	48.9	32.4	19.6	44.5
Daily mean maximum	22.2	25.0	38.2	55.7	67.4	77.2	82.2	79.7	71.6	58.2	40.4	26.8	53.7
Daily mean minimum	5.2	8.1	21.7	36.7	47.7	58.3	62.8	60.3	52.7	40.7	25.6	12.2	36.0
Highest on record	52	64	83	86	99	102	104	100	104	90	77	56	104
Lowest on record	-33	-33	-17	9	22	36	44	42	28	10	-13	-27	-33
Precipitation													
Total, inches	0.86	0.95	1.42	2.23	3.67	4.22	3.73	3.12	3.13	2.08	1.27	0.98	27.66
Days with 0.01 inch or more	8	7	8	10	12	11	9	9	9	9	8	8	107
Total snowfall, inches	9.5	7.9	8.1	3.7	0.2	0	0	0	(1)	0.6	4.2	7.4	41.6
Percentage of possible sun- shine	49	53	57	58	59	64	71	69	57	49	39	40	55
Number of clear days	8	9	9	9	8	8	10	11	11	10	7	8	108
Hourly wind velocity, miles	11.3	11.2	12.1	12.3	11.7	10.5	10.1	10.0	11.1	11.5	11.4	11.1	11.2
MISSISSIPPI, VICKSBURG													
Temperature													
Monthly mean	48.2	51.8	58.5	65.6	72.9	79.0	81.3	80.8	76.3	66.7	56.6	50.0	65.6
Daily mean maximum	57.0	60.3	67.8	74.9	81.8	88.3	90.1	89.8	86.0	76.4	66.3	58.6	74.8
Daily mean minimum	40.4	42.9	49.4	56.4	63.4	70.1	72.5	71.9	67.3	56.8	47.4	41.9	56.7
Highest on record	82	84	92	92	97	101	102	101	104	94	86	82	104
Lowest on record	3	-1	22	31	43	52	59	54	42	31	22	10	-1
Precipitation													
Total, inches	5.37	4.82	5.57	5.19	4.32	3.99	4.53	3.46	2.87	2.77	3.71	5.33	51.93
Days with 0.01 inch or more	11	10	10	9	8	10	11	9	7	6	8	10	109
Total snowfall, inches	0.7	0.5	0.1	0	0	0	0	0	0	0	(1)	0.3	1.6
Percentage of possible sun- shine	47	51	59	66	71	74	70	71	75	71	61	45	63
Number of clear days	9	9	11	11	12	12	10	11	14	17	13	10	139
Hourly wind velocity, miles	8.2	8.4	8.7	8.1	7.2	6.5	6.2	6.0	6.4	6.7	7.4	8.0	7.3
MISSOURI, ST. LOUIS													
Temperature													
Monthly mean	30.8	34.5	43.8	55.8	66.9	74.8	78.6	77.3	70.1	58.3	45.1	34.7	55.9
Daily mean maximum	38.7	43.0	52.9	65.1	75.9	83.6	87.4	86.4	79.5	67.5	53.5	42.5	64.7
Daily mean minimum	23.4	26.6	35.3	47.0	58.2	66.4	70.2	68.6	61.5	50.1	37.3	27.3	47.7
Highest on record	74	84	92	93	94	102	108	106	103	91	82	75	108
Lowest on record	-22	-18	3	22	32	44	55	52	37	21	3	-15	-22
Precipitation													
Total, inches	2.34	2.56	3.38	3.81	4.34	3.82	2.98	2.99	3.46	2.72	2.83	2.21	37.44
Days with 0.01 inch or more	9	9	11	11	11	11	9	8	8	8	8	9	112
Total snowfall, inches	4.9	5.6	3.8	0.6	0.1	0	0	0	0	(1)	0.8	3.2	19.0
Percentage of possible sun- shine	49	50	55	58	64	67	70	68	66	64	55	46	59
Number of clear days	11	9	10	11	11	10	13	14	14	15	11	10	139
Hourly wind velocity, miles	11.7	11.8	12.4	12.1	10.8	9.9	9.1	8.9	9.6	10.4	11.6	11.5	10.8

1 Trace.

No. 137.—CLIMATIC CONDITIONS, ETC.—Continued

Station	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
MONTANA, HELENA													
Temperature													
Monthly mean.....	20 2	23 0	32 4	43 5	51 6	59 2	65 7	65 0	56 6	44 9	33 2	24 2	43 3
Daily mean maximum.....	28 7	32 4	41 8	54 0	62 3	71 4	80 5	79 2	67 2	55 4	41 5	32 4	53 9
Daily mean minimum.....	12 4	15 2	23 4	33 3	41 0	48 4	54 3	53 2	44 1	35 4	24 6	16 9	33 5
Highest on record.....	63	69	73	86	95	102	103	99	92	84	71	64	103
Lowest on record.....	-42	-41	-20	3	22	31	36	29	6	-1	-22	-40	-42
Precipitation													
Total, inches.....	0 87	0 65	0 79	1 12	2 29	2 34	1 14	0 77	1 25	0 89	0 74	0 78	13 63
Days with 0 01 inch or more.....	9	8	8	9	11	12	8	6	7	6	7	8	99
Total snowfall, inches.....	10 5	8 2	9 2	6 0	2 1	(1)	(1)	(1)	0 8	4 2	7 0	8 8	56 8
Percentage of possible sunshine.....	44	52	58	59	57	63	76	72	61	56	48	42	57
Number of clear days.....	6	6	7	7	6	8	15	15	12	10	7	6	105
Hourly wind velocity, miles.....	7 4	7 7	8 4	8 7	8 6	8 4	8 1	7 8	7 9	7 8	7 5	7 3	8 0
NEBRASKA, OMAHA													
Temperature													
Monthly mean.....	21 9	25 5	37 0	51 2	62 4	71 6	76 7	74 4	66 8	54 3	38 5	26 4	50 6
Daily mean maximum.....	30 8	35 2	46 8	61 6	71 9	81 5	86 6	84 3	76 4	64 4	48 0	35 3	60 2
Daily mean minimum.....	13 5	17 1	28 0	41 6	52 6	62 4	67 3	65 2	56 6	44 6	30 2	19 3	41 5
Highest on record.....	67	78	91	94	99	107	109	111	102	92	80	71	111
Lowest on record.....	-32	-26	-8	6	25	42	50	44	30	8	-14	-20	-32
Precipitation													
Total, inches.....	0 70	0 89	1 37	2 51	3 77	4 56	3 54	3 05	3 21	2 17	1 07	0 93	27 77
Days with 0 01 inch or more.....	6	6	7	10	12	11	9	9	9	7	5	7	98
Total snowfall, inches.....	6 0	6 2	5 9	0 7	(1)	0	0	0	0	0 5	2 4	5 2	26 9
Percentage of possible sunshine.....	57	59	58	60	63	69	75	69	65	63	56	52	62
Number of clear days.....	11	10	9	9	9	10	14	13	14	14	11	10	134
Hourly wind velocity, miles.....	9 3	9 7	10 2	10 1	9 3	8 3	7 6	7 4	8 2	8 7	9 2	9 0	8 9
NEVADA, RENO													
Temperature													
Monthly mean.....	31 6	36 3	41 1	47 5	54 2	62 4	70 1	68 7	60 5	50 8	41 5	33 3	49 9
Daily mean maximum.....	42 4	47 5	53 7	61 2	68 2	78 4	87 8	86 2	77 1	66 6	55 2	44 8	64 0
Daily mean minimum.....	20 7	24 6	29 0	33 9	40 4	46 9	53 0	51 6	44 2	35 7	28 0	22 3	35 9
Highest on record.....	67	76	79	88	98	100	106	103	96	89	80	69	106
Lowest on record.....	-19	-12	-3	14	16	28	35	35	24	18	5	-7	-19
Precipitation													
Total, inches.....	1 54	1 18	0 81	0 47	0 63	0 29	0 25	0 22	0 26	0 36	0 64	0 98	7 63
Days with 0 01 inch or more.....	7	6	6	4	4	2	2	2	3	3	4	6	49
Total snowfall, inches.....	10 8	6 3	5 5	1 4	0 7	0	0	0	(1)	0 4	1 2	5 0	30 8
Percentage of possible sunshine.....	59	65	72	75	78	84	90	89	85	78	69	60	75
Number of clear days.....	12	11	12	14	15	21	25	24	21	20	15	12	202
Hourly wind velocity, miles.....	6 1	6 5	7 7	8 5	8 2	8 1	7 5	7 2	6 9	6 2	6 1	5 8	7 1
NEW HAMPSHIRE, CONCORD													
Temperature													
Monthly mean.....	21 6	22 8	30 8	43 4	54 3	62 9	68 5	66 8	59 3	49 7	37 7	26 8	45 4
Daily mean maximum.....	31 8	33 6	40 9	55 8	68 7	76 8	81 7	78 0	70 9	59 9	46 3	34 7	56 6
Daily mean minimum.....	11 7	12 4	22 5	33 4	44 7	53 2	58 7	56 2	49 0	38 5	28 3	17 0	35 5
Highest on record.....	72	68	82	92	98	101	102	99	96	92	80	65	102
Lowest on record.....	-35	-34	-16	7	22	32	38	35	25	17	-17	-24	-35
Precipitation													
Total, inches.....	3 00	2 89	3 03	2 78	3 01	3 19	3 56	3 54	3 45	2 85	3 08	3 13	37 51
Days with 0 01 inch or more.....	10	9	10	10	11	10	10	11	10	9	10	10	120
Total snowfall, inches.....	15 2	17 1	8 9	5 3	0 1	(1)	0	0	(1)	0 1	4 1	10 7	61 5
Percentage of possible sunshine.....	49	55	59	54	55	59	57	57	55	50	44	44	53
Number of clear days.....	12	13	14	12	13	13	12	13	13	12	10	11	148
Hourly wind velocity, miles.....	6 6	6 9	7 4	7 6	6 6	5 9	5 4	5 1	5 2	6 0	6 5	6 3	6 3
NEW JERSEY, ATLANTIC CITY													
Temperature													
Monthly mean.....	32 5	33 6	38 6	47 8	58 1	66 6	72 1	72 5	66 8	56 9	45 6	36 4	52 3
Daily mean maximum.....	40 6	40 3	46 0	54 7	64 5	73 4	78 5	78 0	73 5	63 8	52 8	43 6	59 1
Daily mean minimum.....	26 7	26 6	32 7	41 2	51 6	60 8	66 5	66 6	61 4	50 0	39 0	29 8	46 1
Highest on record.....	68	77	79	86	95	97	102	104	94	90	77	68	104
Lowest on record.....	-4	-7	8	15	33	45	52	48	37	29	10	-7	-7
Precipitation													
Total, inches.....	3 49	3 36	3 60	2 99	3 05	3 04	3 93	4 49	2 65	3 20	2 82	3 94	40 56
Days with 0 01 inch or more.....	12	11	12	11	11	10	10	10	8	9	9	10	123
Total snowfall, inches.....	4 5	5 0	2 2	0 3	0	0	0	0	0	0	0 6	2 7	15 3
Percentage of possible sunshine.....	53	58	58	60	62	64	66	65	66	64	57	51	60
Number of clear days.....	9	9	10	10	10	10	11	11	12	14	11	10	127
Hourly wind velocity, miles.....	16 2	15 5	16 8	16 7	14 7	13 8	13 5	13 1	13 8	14 3	15 1	14 9	14 9

1 Trace.

No. 137.—CLIMATIC CONDITIONS, ETC.—Continued

Station	Jan	Feb	Mar.	Apr	May	June	July	Aug	Sept.	Oct	Nov.	Dec	An- nual
NEW MEXICO, SANTA FE													
Temperature													
Monthly mean	28.8	33.1	39.7	46.7	55.7	64.8	69.0	67.4	60.9	50.4	38.9	30.7	48.8
Daily mean maximum	39.4	43.4	50.9	58.9	68.0	78.1	80.0	79.0	73.0	62.0	49.9	40.5	60.3
Daily mean minimum	18.8	22.3	28.1	34.8	43.4	52.0	56.7	56.0	49.2	38.9	28.3	20.5	37.4
Highest on record	76	75	82	84	89	92	96	97	90	85	77	65	97
Lowest on record	-13	-11	-2	11	20	33	43	40	21	13	-11	-13	-13
Precipitation													
Total, inches	0.67	0.75	0.80	1.00	1.26	1.08	2.38	2.28	1.45	1.18	0.68	0.74	14.27
Days with 0.01 inch or more	6	6	7	6	7	6	13	13	8	5	4	6	87
Total snowfall, inches	6.1	6.5	5.2	3.6	0.4	(1)	0	0	(1)	1.1	3.5	6.0	32.4
Percentage of possible sun- shine	72	70	70	72	76	80	69	71	77	79	76	72	74
Number of clear days	17	13	14	13	14	16	9	10	16	20	18	17	177
Hourly wind velocity, miles	7.0	7.3	8.1	8.4	8.2	7.4	6.3	6.0	6.2	6.5	6.9	6.0	7.0
NEW YORK, BUFFALO													
Temperature													
Monthly mean	24.6	24.3	31.1	42.8	54.6	64.4	69.8	68.6	62.4	51.9	39.4	29.8	47.0
Daily mean maximum	31.4	31.0	38.7	50.1	61.7	70.2	76.5	75.5	70.0	58.3	45.5	35.3	53.7
Daily mean minimum	18.9	17.4	24.9	34.8	46.2	57.2	63.0	61.4	55.5	44.8	33.7	24.1	40.2
Highest on record	70	68	79	84	94	97	95	95	95	92	72	66	97
Lowest on record	-14	-13	-4	5	25	39	46	44	35	24	2	-9	-14
Precipitation													
Total, inches	3.30	2.95	2.57	2.56	3.10	2.82	3.03	3.08	2.92	3.29	3.02	3.36	36.00
Days with 0.01 inch or more	19	17	16	13	13	11	10	10	11	12	15	18	165
Total snowfall, inches	19.3	17.1	10.1	3.4	0.2	0	0	0	(1)	0.5	6.0	17.0	73.6
Percentage of possible sun- shine	30	41	48	53	58	65	68	64	60	48	32	24	49
Number of clear days	2	3	5	7	8	9	9	9	9	7	3	1	72
Hourly wind velocity, miles	17.3	16.6	15.8	14.5	13.1	12.3	12.1	11.7	12.8	14.2	16.8	17.4	14.6
NEW YORK, NEW YORK													
Temperature													
Monthly mean	30.9	31.3	37.7	49.4	60.6	68.8	73.8	73.1	66.8	56.3	44.2	35.0	52.3
Daily mean maximum	37.4	38.4	45.4	57.2	68.5	77.0	81.7	80.1	73.7	63.7	51.0	41.2	59.6
Daily mean minimum	24.5	24.2	30.2	41.6	52.6	60.5	65.9	66.2	59.8	49.0	37.3	28.8	45.0
Highest on record	68	73	80	91	95	97	100	102	100	88	74	68	102
Lowest on record	-6	-7	3	12	34	44	54	51	39	29	7	-13	-13
Precipitation													
Total, inches	3.66	3.82	3.64	3.23	3.24	3.33	4.24	4.33	3.39	3.53	2.96	3.62	42.99
Days with 0.01 inch or more	12	10	12	11	11	11	12	10	9	9	9	11	127
Total snowfall, inches	8.1	10.0	6.5	1.2	(1)	0	0	0	0	(1)	0.8	6.1	32.7
Percentage of possible sun- shine	52	59	60	60	61	64	64	63	64	62	54	51	60
Number of clear days	8	8	9	8	9	8	8	9	10	11	9	8	105
Hourly wind velocity, miles	17.4	17.1	17.9	16.6	14.3	13.5	12.6	12.4	13.0	14.7	16.3	16.7	15.2
NORTH CAROLINA, ASHEVILLE													
Temperature													
Monthly mean	38.4	39.6	46.7	54.4	62.3	69.4	72.5	71.5	66.9	56.0	46.1	39.2	55.2
Daily mean maximum	48.0	49.3	56.8	65.4	73.3	79.9	82.5	81.2	77.2	67.2	56.5	48.6	65.5
Daily mean minimum	29.3	29.9	36.5	43.5	51.7	59.2	62.6	61.9	56.8	44.8	35.6	30.3	45.2
Highest on record	77	80	87	89	91	97	97	96	95	85	70	78	97
Lowest on record	-5	-6	8	20	31	40	46	47	35	20	4	-4	-6
Precipitation													
Total, inches	3.10	3.15	3.97	3.02	3.43	3.93	4.30	4.16	3.04	2.75	2.23	3.20	40.28
Days with 0.01 inch or more	10	10	12	11	13	14	15	14	10	7	7	10	133
Total snowfall, inches	3.1	2.4	1.9	0.4	(1)	0	0	0	0	0	1	1.8	10.1
Percentage of possible sun- shine	49	53	55	60	60	60	58	56	59	63	60	48	57
Number of clear days	10	10	11	11	10	8	7	7	10	15	14	11	124
Hourly wind velocity, miles	9.5	9.8	10.2	9.3	7.3	5.9	5.3	5.3	5.8	7.0	8.5	9.1	7.8
NORTH DAKOTA, BISMARCK													
Temperature													
Monthly mean	7.8	10.3	24.2	42.1	54.5	63.7	69.8	67.3	58.1	44.9	28.5	14.7	40.5
Daily mean maximum	18.4	21.9	35.0	54.7	66.2	75.5	82.4	80.8	70.7	56.8	38.6	24.7	52.1
Daily mean minimum	-2.3	1.3	14.5	31.6	42.4	52.7	57.4	54.9	45.1	33.0	18.0	5.1	29.5
Highest on record	60	65	81	90	97	107	108	105	105	91	74	64	108
Lowest on record	-45	-43	-36	-3	13	31	32	32	10	-10	-28	-42	-45
Precipitation													
Total, inches	0.45	0.44	0.89	1.52	2.32	3.35	2.24	1.82	1.23	0.94	0.57	0.57	16.34
Days with 0.01 inch or more	7	7	7	8	10	12	9	8	7	6	6	7	94
Total snowfall, inches	5.7	5.1	7.6	2.9	0.8	(1)	0	0	(1)	1.2	5.0	6.2	34.5
Percentage of possible sun- shine	52	58	56	58	58	62	72	68	62	59	51	49	59
Number of clear days	11	10	12	12	12	12	16	17	14	13	11	11	151
Hourly wind velocity, miles	9.1	9.5	10.4	11.3	10.7	10.1	9.1	9.0	9.8	9.6	9.4	8.9	9.7

1 Trace

No. 137.—CLIMATIC CONDITIONS, ETC.—Continued

Station	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
OHIO, COLUMBUS													
Temperature													
Monthly mean	28.6	30.7	39.1	51.2	62.3	70.9	74.9	73.0	66.5	55.2	41.9	32.4	52.2
Daily mean maximum	36.4	38.2	48.5	60.7	71.9	80.5	85.0	82.5	76.8	64.4	49.8	39.2	61.2
Daily mean minimum	21.7	22.9	31.4	41.5	52.0	60.8	64.9	62.8	56.7	45.4	34.4	25.6	43.3
Highest on record	72	72	84	90	96	99	104	103	99	90	77	67	104
Lowest on record	-20	-20	0	15	31	39	49	42	32	20	-5	-12	-20
Precipitation													
Total, inches	3.06	2.67	3.50	2.87	3.59	3.31	3.55	3.26	2.57	2.46	2.77	2.73	36.34
Days with 0.01 inch or more	14	12	14	12	12	12	11	10	9	9	11	13	139
Total snowfall, inches	7.9	5.8	3.4	1.1	(¹)	0	0	0	0	0.1	1.5	4.2	24.0
Percentage of possible sunshine	38	42	47	56	62	67	70	67	64	58	44	33	54
Number of clear days	6	6	7	9	9	10	12	12	12	12	7	5	107
Hourly wind velocity, miles	11.9	12.4	12.4	12.1	10.7	9.7	9.0	8.9	9.3	10.6	11.5	11.7	10.8
OKLAHOMA, OKLAHOMA CITY													
Temperature													
Monthly mean	36.4	39.6	50.0	59.8	67.7	76.0	80.6	79.7	72.8	61.5	48.8	39.3	59.4
Daily mean maximum	47.8	50.8	61.2	70.8	77.5	86.7	91.1	91.4	84.9	73.0	60.2	48.8	70.3
Daily mean minimum	27.5	29.4	38.5	49.0	57.7	66.6	70.3	69.5	63.2	50.9	39.1	29.7	49.3
Highest on record	83	90	97	96	98	106	107	108	103	97	86	79	108
Lowest on record	-11	-17	4	22	33	46	55	49	35	16	9	-2	-17
Precipitation													
Total, inches	1.19	1.11	1.98	3.29	4.88	3.67	2.86	2.89	3.05	2.86	1.87	1.50	31.15
Days with 0.01 inch or more	6	5	7	8	10	8	7	7	7	6	5	6	82
Total snowfall, inches	2.5	2.0	1.2	(¹)	0	0	0	0	0	(¹)	0.3	1.8	7.8
Percentage of possible sunshine	56	60	61	63	64	73	77	76	74	67	64	59	66
Number of clear days	13	12	13	12	11	14	16	17	17	17	16	14	172
Hourly wind velocity, miles	11.7	12.8	13.0	12.8	12.3	11.1	9.7	9.2	10.4	10.9	11.6	11.6	11.4
OREGON, PORTLAND													
Temperature													
Monthly mean	39.4	42.1	46.9	51.8	56.9	62.4	66.7	66.7	61.7	54.2	46.8	41.2	53.1
Daily mean maximum	44.1	48.3	54.7	61.1	66.8	72.0	78.2	77.9	71.5	62.5	52.2	46.1	61.3
Daily mean minimum	34.1	36.3	39.8	43.1	48.0	52.7	56.3	56.2	52.1	47.0	40.7	36.6	45.2
Highest on record	64	68	83	93	99	101	104	102	97	86	73	65	104
Lowest on record	-2	7	20	28	32	39	43	43	35	30	11	3	-28
Precipitation													
Total, inches	6.60	5.36	3.91	2.87	2.19	1.52	0.61	0.64	1.98	3.12	6.10	6.72	41.62
Days with 0.01 inch or more	20	17	17	15	13	10	3	4	8	12	17	19	155
Total snowfall, inches	6.0	3.7	0.6	(¹)	(¹)	0	0	0	0	0	0.5	3.4	13.8
Percentage of possible sunshine	25	33	40	49	51	56	71	67	53	43	27	23	45
Number of clear days	4	4	5	6	7	8	16	16	11	7	4	4	92
Hourly wind velocity, miles	7.4	7.5	7.4	7.2	7.0	6.8	6.9	6.4	6.4	6.2	7.0	7.4	7.0
PENNSYLVANIA, PITTSBURGH													
Temperature													
Monthly mean	30.7	32.3	39.6	51.2	62.4	70.7	74.6	72.9	66.4	55.7	43.2	34.2	52.8
Daily mean maximum	38.8	39.9	48.6	60.6	72.0	80.1	84.1	82.0	76.5	64.4	50.7	41.1	61.6
Daily mean minimum	23.7	23.8	31.3	41.3	51.9	60.5	64.8	62.9	57.3	45.8	35.8	27.3	43.9
Highest on record	75	77	84	90	95	98	103	103	102	91	79	73	103
Lowest on record	-12	-20	1	11	27	39	49	45	35	20	1	-9	-20
Precipitation													
Total, inches	3.05	2.62	3.03	2.92	3.21	3.81	4.05	3.23	2.58	2.52	2.29	2.86	36.17
Days with 0.01 inch or more	15	14	15	13	13	12	12	10	10	10	12	14	150
Total snowfall, inches	8.6	7.5	5.7	2.1	(¹)	0	0	0	0	0.2	1.8	6.4	32.3
Percentage of possible sunshine	32	37	45	50	57	63	65	61	62	54	40	29	50
Number of clear days	4	4	6	7	9	7	9	10	10	10	6	4	86
Hourly wind velocity, miles	11.9	11.8	12.2	11.6	10.2	9.5	8.9	8.7	9.0	9.8	11.3	11.5	10.5
RHODE ISLAND, PROVIDENCE													
Temperature													
Monthly mean	29.1	28.2	37.2	46.8	57.3	66.1	71.9	69.8	63.5	53.6	42.7	32.4	49.9
Daily mean maximum	37.5	36.3	45.2	55.7	66.9	75.6	80.9	78.7	72.4	62.4	50.0	39.5	58.4
Daily mean minimum	22.0	20.5	28.9	37.8	48.1	56.8	62.9	61.2	54.6	44.8	34.9	25.3	41.5
Highest on record	68	69	84	88	94	96	100	97	95	87	75	68	100
Lowest on record	-9	-10	4	11	32	41	50	46	33	27	9	-12	-12
Precipitation													
Total, inches	3.70	3.64	3.49	3.21	2.96	2.68	3.27	3.50	3.18	3.12	3.06	3.38	39.19
Days with 0.01 inch or more	12	11	12	11	12	10	10	10	9	9	10	11	127
Total snowfall, inches	8.6	9.8	5.4	1.4	(¹)	0	0	0	0	(¹)	0.7	5.5	31.4
Percentage of possible sunshine	50	56	59	59	61	64	64	63	61	61	53	50	58
Number of clear days	10	11	12	10	11	10	11	11	12	14	11	11	134
Hourly wind velocity, miles ¹	12.8	12.9	13.5	13.0	11.6	10.7	9.8	9.6	10.2	11.4	12.0	12.5	11.7

¹ Trace.³ For the period 1914-1933, inclusive.

No 137.—CLIMATIC CONDITIONS, ETC.—Continued

Station	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept.	Oct	Nov	Dec	Annual
SOUTH CAROLINA, CHARLESTON													
Temperature													
Monthly mean.....	49.9	52.4	57.4	64.5	72.7	78.9	81.4	81.0	76.6	67.8	58.1	51.7	66.0
Daily mean maximum.....	58.2	59.8	65.4	72.1	79.7	85.4	87.9	87.2	83.1	74.7	66.0	59.4	73.2
Daily mean minimum.....	43.0	44.7	50.1	57.1	65.8	72.3	75.1	74.5	70.9	60.8	50.7	44.4	59.1
Highest on record.....	80	82	94	93	98	101	104	102	100	95	83	81	104
Lowest on record.....	10	7	24	32	45	49	61	62	49	37	23	12	7
Precipitation													
Total, inches.....	3.02	2.98	3.02	2.53	3.00	4.59	6.89	6.53	4.53	3.27	2.14	2.72	45.22
Days with 0.01 inch or more.....	10	9	9	7	8	11	13	13	10	7	7	9	113
Total snowfall, inches.....	0.1	0.2	(1)	0	0	0	0	0	0	0	0	0.1	0.4
Percentage of possible sunshine.....	58	59	65	72	72	69	65	65	68	68	68	55	65
Number of clear days.....	10	10	12	13	12	8	8	8	10	14	13	11	129
Hourly wind velocity, miles.....	10.5	11.0	11.6	11.4	10.7	10.2	9.6	9.2	10.4	11.0	11.0	10.3	10.5
SOUTH DAKOTA, HURON													
Temperature													
Monthly mean.....	11.3	14.3	28.9	45.1	56.4	66.2	71.8	69.4	61.3	47.7	31.5	18.7	43.6
Daily mean maximum.....	23.0	26.3	40.3	58.2	68.6	78.7	84.6	82.9	74.3	60.6	42.6	29.1	55.8
Daily mean minimum.....	1.7	5.1	19.3	34.0	44.4	55.2	59.8	57.5	48.1	35.4	20.7	8.8	32.5
Highest on record.....	64	70	85	94	97	108	110	108	106	94	79	65	110
Lowest on record.....	-43	-37	-25	5	20	31	41	33	18	-6	-28	-34	-43
Precipitation													
Total, inches.....	0.56	0.54	0.91	2.24	2.98	3.79	3.16	2.46	1.57	1.28	0.59	0.57	20.65
Days with 0.01 inch or more.....	23	26	40	58	68	78	84	82	74	60	42	29	113
Total snowfall, inches.....	5.8	4.7	5.6	1.5	0.1	0	0	0	(1)	0	3	5.0	26.5
Percentage of possible sunshine.....	58	64	63	63	65	69	75	71	64	60	53	51	63
Number of clear days.....	11	10	9	10	11	11	14	14	13	13	11	10	137
Hourly wind velocity, miles.....	10.8	11.0	11.8	12.9	11.9	10.7	9.6	9.0	10.8	10.9	10.6	10.1	10.8
TENNESSEE, NASHVILLE													
Temperature													
Monthly mean.....	38.6	41.6	49.2	59.0	68.2	75.6	79.1	77.8	71.8	61.0	49.0	41.0	59.3
Daily mean maximum.....	47.4	50.3	58.8	69.0	77.9	85.6	88.6	87.5	82.3	71.3	58.3	49.3	68.9
Daily mean minimum.....	31.1	33.0	40.3	49.6	58.3	66.6	70.0	68.5	62.2	50.3	39.9	33.2	50.2
Highest on record.....	78	79	89	90	98	100	106	105	104	92	81	75	106
Lowest on record.....	-10	-13	3	25	36	42	54	51	38	28	8	-2	-13
Precipitation													
Total, inches.....	4.76	4.13	5.11	4.13	3.87	4.00	3.88	3.71	3.42	2.49	3.50	4.20	47.20
Days with 0.01 inch or more.....	12	11	12	11	11	11	11	9	8	7	9	11	123
Total snowfall, inches.....	2.3	2.8	1.5	0.1	(1)	0	0	0	0	(1)	0.3	1.4	8.4
Percentage of possible sunshine.....	44	48	53	60	65	69	71	69	69	65	55	42	59
Number of clear days.....	8	7	9	9	10	9	10	12	13	15	11	8	121
Hourly wind velocity, miles.....	10.1	10.4	11.0	10.6	9.2	8.0	7.5	7.2	7.7	8.5	9.4	9.4	9.1
TEXAS, FORT WORTH													
Temperature													
Monthly mean.....	45.4	48.3	57.7	65.0	72.3	79.9	83.0	83.0	76.9	66.7	55.5	47.5	65.2
Daily mean maximum.....	56.8	59.3	68.4	75.3	82.0	90.5	93.6	92.1	88.0	78.0	67.0	56.9	75.7
Daily mean minimum.....	36.2	38.1	46.5	57.1	62.5	70.4	73.6	72.9	67.7	56.1	46.4	37.3	55.5
Highest on record.....	93	96	100	109	107	107	109	112	104	99	87	83	112
Lowest on record.....	-1	-8	15	30	34	48	56	55	40	24	20	7	-8
Precipitation													
Total, inches.....	2.05	1.76	2.32	4.02	4.65	3.35	2.61	2.62	2.49	2.81	2.68	1.87	33.13
Days with 0.01 inch or more.....	6	7	7	7	9	6	5	5	5	6	6	6	75
Total snowfall, inches.....	0.8	0.6	0.3	(1)	0	0	0	0	0	(1)	0.1	0.6	2.4
Percentage of possible sunshine.....	60	60	68	69	71	78	81	80	78	72	66	61	70
Number of clear days.....	12	11	12	11	11	13	14	15	16	16	14	13	158
Hourly wind velocity, miles.....	10.4	10.8	11.6	11.5	10.7	10.4	9.6	9.2	9.1	9.4	9.8	9.9	10.2
TEXAS, GALVESTON													
Temperature													
Monthly mean.....	53.8	56.3	62.4	68.7	74.8	80.7	83.4	83.0	80.1	72.7	63.3	56.4	69.6
Daily mean maximum.....	59.4	61.8	67.3	73.7	80.0	85.7	87.9	87.9	84.8	77.7	68.6	61.9	74.7
Daily mean minimum.....	48.6	51.1	57.2	64.4	71.0	76.8	78.6	78.5	75.4	67.8	58.1	51.0	64.9
Highest on record.....	76	83	85	86	93	99	101	100	96	91	85	80	101
Lowest on record.....	11	8	30	41	52	57	66	67	54	41	26	18	8
Precipitation													
Total, inches.....	3.41	2.83	2.68	3.06	3.42	4.37	3.71	4.28	5.57	4.36	3.33	3.75	44.77
Days with 0.01 inch or more.....	10	9	8	7	6	7	9	9	9	7	6	10	99
Total snowfall, inches.....	(1)	0.3	0	0	0	0	0	0	0	0	0	(1)	0.3
Percentage of possible sunshine.....	52	51	56	63	69	77	73	71	70	73	62	50	64
Number of clear days.....	10	9	10	11	12	15	14	15	15	18	13	10	152
Hourly wind velocity, miles.....	11.3	11.4	11.5	11.8	11.1	10.3	9.4	9.0	9.9	10.2	10.8	11.1	10.6

1 Trace.

No. 137.—CLIMATIC CONDITIONS, ETC.—Continued

Station	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec.	Annual
TEXAS, SAN ANTONIO													
Temperature													
Monthly mean	52.3	55.4	62.8	69.1	75.1	81.0	83.8	83.5	79.0	70.5	60.3	53.7	68.9
Daily mean maximum	62.8	66.2	73.2	79.7	85.1	91.2	94.0	94.6	89.4	81.5	71.1	63.5	79.4
Daily mean minimum	42.8	45.4	51.7	58.8	65.3	71.1	73.2	73.2	69.4	60.1	51.2	44.4	58.9
Highest on record	87	91	97	100	103	105	106	107	103	98	89	86	107
Lowest on record	6	4	21	35	44	48	60	57	46	32	22	15	4
Precipitation													
Total inches	1.46	1.65	1.84	3.19	3.20	2.46	2.17	2.42	3.05	2.23	1.90	1.61	27.18
Days with 0.01 inch or more	8	7	7	8	8	7	6	5	7	6	7	8	84
Total snowfall, inches	0.2	0.1	(¹)	0	0	0	0	0	0	0	(¹)	0.2	0.5
Percentage of possible sunshine	50	52	57	58	62	70	73	75	69	66	53	48	61
Number of clear days	11	10	11	9	9	12	14	14	12	15	12	12	141
Hourly wind velocity, miles	7.9	8.5	9.1	8.9	8.3	7.9	7.4	6.9	7.0	7.1	7.6	7.7	7.9
UTAH, SALT LAKE CITY													
Temperature													
Monthly mean	29.2	33.8	41.7	49.6	57.4	67.4	75.7	74.5	64.4	52.5	41.1	31.9	51.6
Daily mean maximum	36.4	41.1	50.4	59.7	68.6	79.6	88.5	86.5	76.2	62.9	49.6	38.6	61.5
Daily mean minimum	21.7	26.1	32.7	39.9	47.2	55.9	64.1	62.7	52.8	42.4	32.4	24.6	41.0
Highest on record	60	68	77	85	93	101	105	101	97	88	74	62	105
Lowest on record	-20	-13	0	18	25	32	43	42	29	22	-2	-10	-20
Precipitation													
Total inches	1.31	1.51	1.93	2.05	1.92	0.80	0.51	0.35	0.98	1.44	1.35	1.43	16.13
Days with 0.01 inch or more	10	10	10	9	8	5	4	6	5	6	7	10	90
Total snowfall, inches	11.8	10.5	10.2	3.5	0.4	(¹)	0	0	(¹)	1.0	5.5	11.5	54.4
Percentage of possible sunshine	45	49	56	64	68	78	79	76	76	68	58	45	64
Number of clear days	8	7	10	10	12	17	18	17	18	16	12	8	153
Hourly wind velocity, miles	6.8	7.1	8.1	8.7	8.7	8.6	8.2	8.0	8.2	7.5	6.8	6.5	7.8
VERMONT, NORTHFIELD													
Temperature													
Monthly mean	15.2	16.4	26.4	40.3	52.8	61.3	65.9	63.4	56.1	45.5	32.8	20.4	41.4
Daily mean maximum	26.4	26.8	36.8	49.9	62.7	72.8	77.5	74.6	67.8	55.9	41.6	29.7	51.9
Daily mean minimum	5.0	5.4	16.7	29.1	40.3	48.8	53.7	51.1	44.2	34.6	24.5	11.4	30.4
Highest on record	63	61	75	85	93	96	98	95	92	85	72	65	98
Lowest on record	-33	-35	-22	-1	18	28	34	31	20	9	-14	-41	-41
Precipitation													
Total inches	2.35	2.25	2.56	2.28	2.75	3.19	3.58	3.53	3.07	2.86	2.93	2.49	33.84
Days with 0.01 inch or more	14	11	13	12	13	13	14	12	12	13	13	13	153
Total snowfall, inches	18.7	19.4	16.2	6.4	0.5	0	0	0	(¹)	0.8	8.6	15.1	85.7
Percentage of possible sunshine	37	48	51	50	52	57	59	57	51	43	30	31	47
Number of clear days	5	6	7	6	6	6	5	6	8	6	4	4	69
Hourly wind velocity, miles	8.0	8.1	8.8	8.6	8.1	7.0	6.4	6.2	6.7	7.4	7.9	7.5	7.6
VIRGINIA, RICHMOND													
Temperature													
Monthly mean	37.9	39.6	47.2	56.6	66.5	74.1	78.5	76.5	70.5	59.6	48.3	39.8	57.9
Daily mean maximum	48.1	48.7	58.2	67.2	76.9	83.5	87.7	85.6	80.7	72.3	60.1	50.1	68.3
Daily mean minimum	30.1	30.1	37.7	45.6	55.5	63.6	68.3	66.9	61.3	50.8	39.8	32.2	48.4
Highest on record	78	82	94	96	96	100	103	107	101	94	82	77	107
Lowest on record	-1	-3	14	19	35	45	52	49	41	28	14	-2	-3
Precipitation													
Total inches	3.21	3.17	3.68	3.49	3.79	3.90	4.73	4.42	3.25	2.88	2.21	3.29	42.02
Days with 0.01 inch or more	10	10	11	10	12	11	11	11	11	8	7	10	122
Total snowfall, inches	3.5	3.5	2.3	0.4	0	0	0	0	0	(¹)	0.3	2.8	12.8
Percentage of possible sunshine	50	56	59	63	67	66	67	63	65	65	58	49	61
Number of clear days	10	10	11	12	12	11	11	10	12	15	13	11	138
Hourly wind velocity, miles	8.1	8.3	9.0	8.6	7.2	6.4	6.3	6.0	6.1	6.7	7.3	7.6	7.3
WASHINGTON, SEATTLE													
Temperature													
Monthly mean	39.5	41.1	44.9	49.4	54.5	59.0	63.1	63.1	58.1	51.4	45.6	41.7	51.0
Daily mean maximum	44.3	47.0	51.5	57.3	62.8	67.9	73.0	72.4	66.3	58.3	50.7	46.0	53.2
Daily mean minimum	35.6	36.5	38.8	42.0	46.9	51.4	54.6	54.9	51.3	46.5	41.3	37.5	44.8
Highest on record	67	67	81	85	92	98	95	92	87	82	68	62	98
Lowest on record	3	4	20	30	36	40	46	46	36	29	15	12	3

¹ Trace.

No. 137.—CLIMATIC CONDITIONS, ETC.—Continued

Station	Jan	Feb	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
WASHINGTON, SEATTLE—CON.													
Precipitation													
Total inches	4.94	3.89	3.05	2.38	1.87	1.33	0.63	0.70	1.77	2.84	5.03	5.60	34.03
Days with 0.01 inch or more	19	16	16	13	12	9	4	4	9	13	17	19	151
Total snowfall, inches	4.9	4.0	1.0	0.2	(¹)	0	0	0		(¹)	0.9	1.9	12.9
Percentage of possible sunshine	24	35	44	52	53	55	65	60	49	34	20	21	43
Number of clear days	3	3	5	6	6	7	13	13	9	5	2	3	75
Hourly wind velocity, miles	9.7	9.1	9.9	9.2	9.0	8.5	7.9	7.4	7.8	8.3	9.3	9.8	8.8
WEST VIRGINIA, PARKERSBURG													
Temperature													
Monthly mean	32.5	34.2	42.8	53.4	63.8	71.4	75.4	73.9	67.3	56.1	43.8	35.2	54.2
Daily mean maximum	41.6	42.3	52.6	63.8	74.1	82.0	85.6	83.9	78.9	66.6	53.2	43.3	64.0
Daily mean minimum	25.4	25.5	33.6	42.7	52.3	61.1	64.8	63.3	57.3	45.0	35.5	27.8	44.5
Highest on record	74	77	89	93	96	99	104	106	99	91	82	72	106
Lowest on record	-12	-27	4	15	31	41	48	45	33	20	4	-10	-27
Precipitation													
Total inches	3.68	3.13	3.49	3.19	3.38	4.00	4.29	3.51	2.76	2.48	2.67	3.03	39.41
Days with 0.01 inch or more	15	13	14	13	12	13	12	10	9	9	11	13	144
Total snowfall, inches	6.7	6.6	4.2	1.0	(¹)	0	0	0	0	0.1	1.3	4.7	24.6
Percentage of possible sunshine	29	37	41	49	54	59	63	58	58	51	35	27	47
Number of clear days	6	7	8	10	11	11	13	12	13	12	7	6	116
Hourly wind velocity, miles	7.5	8.0	8.2	7.6	6.2	5.6	5.3	5.1	5.2	5.8	6.9	7.1	6.5
WISCONSIN, GREEN BAY													
Temperature													
Monthly mean	15.7	17.4	23.6	43.2	54.9	64.9	70.0	67.7	60.4	48.5	34.0	22.3	44.0
Daily mean maximum	23.8	25.6	36.8	51.9	64.3	75.3	80.4	77.3	70.1	56.8	41.2	28.9	52.7
Daily mean minimum	8.6	9.6	21.2	34.4	45.1	55.6	60.3	58.1	51.7	40.4	27.9	15.9	35.7
Highest on record	51	60	82	85	91	100	101	98	97	84	71	54	101
Lowest on record	-36	-33	-23	11	22	34	43	38	25	8	-12	-21	-36
Precipitation													
Total inches	1.54	1.56	2.04	2.65	3.52	3.70	3.46	3.18	3.52	2.54	2.16	1.71	31.68
Days with 0.01 inch or more	10	9	10	11	12	11	11	9	10	9	9	10	121
Total snowfall, inches	12.2	11.3	9.6	3.2	0.2	0	0	0	0	0.8	4.9	9.3	51.5
Percentage of possible sunshine	46	52	56	59	60	67	71	67	60	52	41	41	56
Number of clear days	7	7	7	7	7	7	8	8	8	7	5	6	84
Hourly wind velocity, miles	10.4	10.6	11.0	11.2	10.6	9.4	8.8	8.7	9.6	10.2	10.7	10.5	10.1
WYOMING, LANDER													
Temperature													
Monthly mean	18.3	22.5	32.4	42.4	51.2	60.5	67.4	65.5	55.7	43.5	30.3	20.4	42.5
Daily mean maximum	32.0	35.6	44.4	55.0	64.4	76.0	83.9	82.2	71.8	58.5	44.3	32.0	56.7
Daily mean minimum	5.4	9.0	19.2	29.4	38.1	45.8	51.7	49.5	40.3	29.5	17.7	6.5	28.5
Highest on record	64	68	71	82	88	96	100	96	90	83	72	62	100
Lowest on record	-39	-38	-24	-3	13	26	32	23	7	-14	-31	-40	-40
Precipitation													
Total inches	0.56	0.63	1.19	2.06	2.26	1.15	0.69	0.53	0.92	1.36	0.60	0.68	12.63
Days with 0.01 inch or more	4	5	7	8	9	6	6	5	4	6	3	4	67
Total snowfall, inches	5.1	8.3	11.9	13.7	4.9	0.4	0	0	1.8	8.8	6.8	7.7	69.4
Percentage of possible sunshine	66	70	71	66	64	74	74	74	71	65	59	61	68
Number of clear days	12	11	10	9	9	12	13	14	15	14	11	13	143
Hourly wind velocity, miles	3.9	4.0	5.2	5.6	5.6	5.2	4.7	4.6	4.7	4.0	3.9	3.6	4.6

¹ Trace.

Source The Division of Climate and Crop Weather, Weather Bureau, Department of Agriculture.

8. ARMY, NAVY, CIVIL SERVICE, PENSIONS, VETERANS' ADMINISTRATION ACTIVITIES, ELECTIONS, ETC.

No. 138.—ARMY OF THE UNITED STATES: STRENGTH OF COMPONENT PARTS

NOTE.—Prior to 1914, table covers quinquennial years and years in which considerable changes occurred in the number of Regular Army. Figures for Officers' Reserve Corps include Regular Army enlisted men and also, prior to 1924, National Guard officers holding commissions in the reserve. There is, therefore, some duplication in the grand totals, but the number of this personnel is not so great as to make a material difference in the figures.

June 30—	Grand total	Regular Army ¹			National Guard ²			Reserve forces		
		Total	Officers	Enlisted men	Total	Officers	Enlisted men	Total	Officers	Enlisted men
1890.....	136,624	27,089	2,168	24,921	109,535	8,555	100,980	-----	-----	-----
1895.....	140,051	27,172	2,154	25,018	112,879	9,227	103,652	-----	-----	-----
1900.....	223,366	68,155	2,436	65,669	122,213	8,246	113,967	³ 32,998	⁴ 1,531	⁵ 31,467
1901.....	200,696	81,586	2,940	78,646	115,749	8,751	106,998	³ 3,361	⁴ 350	⁵ 3,011
1902.....	185,805	75,584	3,731	71,853	110,221	(⁴)	(⁴)	-----	-----	-----
1905.....	178,269	66,956	3,934	63,022	111,313	8,680	102,633	-----	-----	-----
1908.....	187,369	76,428	3,966	72,462	110,941	8,583	102,358	-----	-----	-----
1909.....	203,385	84,459	4,208	80,251	118,926	8,975	109,951	-----	-----	-----
1910.....	200,378	80,718	4,439	76,279	119,660	9,155	110,505	-----	-----	-----
1912.....	213,313	91,461	4,650	86,811	121,852	9,142	112,710	-----	-----	-----
1914.....	225,819	97,780	4,883	92,877	128,043	8,792	119,251	⁶ 16	-----	⁵ 16
1915.....	235,410	105,993	4,798	101,195	129,398	8,705	120,693	⁶ 19	-----	⁵ 19
1916.....	244,483	107,641	5,025	102,616	132,194	8,899	123,605	⁶ 4,648	-----	⁵ 4,648
1917.....	629,863	250,357	6,332	244,025	⁶ 314,581	⁷ 11,000	303,581	64,925	⁸ 21,543	⁹ 43,382
1918.....	² 2,446,103	741,084	10,518	730,566	⁶ 445,678	⁷ 12,000	⁷ 433,678	1,059,341	¹⁰ 135,380	¹¹ 923,961
1918.....	³ 6,773,888	¹²³ 673,888	¹³ 138,434	¹²³ 485,454	-----	-----	-----	-----	-----	-----
(Nov 11)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
1919.....	931,422	836,832	¹³ 78,003	758,879	37,210	1,198	36,012	57,330	⁸ 45,573	⁵ 11,757
1920.....	363,540	200,367	¹³ 15,519	184,848	56,090	2,073	54,017	107,083	⁸ 68,232	⁵ 38,851
1921.....	407,920	227,374	¹³ 14,124	213,250	113,640	5,843	107,797	66,906	⁸ 66,905	¹⁴ 1
1922.....	373,597	146,069	¹³ 14,075	131,994	159,658	8,744	150,914	67,870	⁸ 67,890	¹⁴ 480
1923.....	370,042	130,964	¹³ 12,632	118,282	160,598	9,675	150,923	78,480	⁸ 76,923	¹⁴ 1,557
1924.....	397,794	140,644	¹³ 12,501	128,143	177,428	¹⁵ 10,996	166,432	79,722	⁸ 76,322	¹⁴ 3,400
1925.....	406,162	134,624	¹³ 12,909	121,715	177,525	¹⁵ 11,595	165,930	94,013	⁸ 88,898	¹⁴ 5,115
1926.....	410,902	133,033	¹³ 13,105	119,928	174,969	¹⁵ 11,435	163,534	102,900	⁸ 97,125	¹⁴ 5,775
1927.....	421,519	133,079	¹³ 13,175	119,904	181,142	¹⁵ 12,192	168,950	107,298	⁸ 101,563	¹⁴ 5,735
1928.....	426,075	134,331	¹³ 13,174	121,157	181,221	¹⁵ 12,428	168,793	110,523	⁸ 105,059	¹⁴ 5,464
1929.....	421,466	137,360	¹³ 13,168	124,192	176,988	¹⁵ 12,535	164,453	107,118	⁸ 101,926	¹⁴ 5,192
1930.....	426,825	137,472	¹³ 13,195	124,277	182,715	¹⁵ 12,930	169,785	106,638	⁸ 101,917	¹⁴ 4,721
1931.....	439,081	138,648	¹³ 13,205	125,443	187,386	¹⁵ 13,249	174,137	113,047	⁸ 108,210	¹⁴ 4,837
1932.....	440,162	133,042	¹³ 13,153	119,889	187,412	¹⁵ 13,549	173,863	119,708	⁸ 114,836	¹⁴ 4,872
1933.....	445,449	135,011	¹³ 13,223	121,788	185,925	¹⁵ 13,569	172,356	124,513	⁸ 119,485	¹⁴ 5,028

¹ Includes Philippine Scouts beginning with 1902. Figures for 1919 to 1926, inclusive, include in most cases World War emergency personnel still in service. All emergency enlisted men still in service were discharged on July 2, 1921. On Nov 11, 1926, the last emergency officer was discharged, thereby completing the demobilization of the World War Army. Retired personnel on active duty are not included.

² State militia prior to act of June 3, 1916.

³ U S Volunteers

⁴ Figures on officers and enlisted men not available

⁵ Regular Army Reserve. The Regular Army Reserve was abolished by act of June 4, 1920

⁶ Includes National Guard personnel in Federal service

⁷ Estimate

⁸ Officers' Reserve Corps. Beginning with 1924, figures do not include individuals who hold commissions also in the National Guard

⁹ Includes Regular Army Reserve, 8,382, Enlisted Reserve Corps, 35,000 (estimate).

¹⁰ Includes Officers' Reserve Corps, 86,262, National Army, 49,118 (estimate)

¹¹ Estimated enlisted strength of the National Army. Practically all members of the Regular Army Reserve and the Enlisted Reserve Corps had, by this date, been assigned to duty with Regular Army, National Guard, and National Army organizations

¹² Estimates only. Under orders of the Secretary of War all components had been merged into one army known as "The United States Army."

¹³ Beginning with 1919, figures for commissioned officers include warrant officers in the following numbers: 1919, 37; 1920, 68; 1921, 1,159; 1922, 1,151; 1923, 1,085; 1924, 1,063; 1925, 1,028; 1926, 1,325; 1927, 1,262; 1928, 1,208; 1929, 1,138; 1930, 1,089; 1931, 1,028; 1932, 973; 1933, 926

¹⁴ Enlisted Reserve Corps

¹⁵ Beginning with 1924, figures for commissioned officers include warrant officers in the following numbers: 1924, 87; 1925, 160; 1926, 162; 1927, 182; 1928, 184; 1929, 188; 1930, 198; 1931, 198; 1932, 204; 1933, 205

Source: Reports of the War Department.

No. 139.—NATIONAL GUARD: ORGANIZED STRENGTH, JUNE 30, 1933

State or Territory	Officers ¹	En-listed men	State or Territory	Officers ¹	En-listed men	State or Territory	Officers ¹	En-listed men
Total -----	13, 569	172, 356	Kentucky-----	224	2, 624	Ohio-----	643	7, 999
Alabama-----	221	2, 520	Louisiana-----	143	1, 873	Oklahoma-----	405	4, 726
Arizona-----	81	1, 177	Maine-----	186	2, 287	Oregon-----	209	2, 846
Arkansas-----	157	2, 051	Maryland-----	263	3, 151	Pennsylvania-----	860	11, 118
California-----	470	6, 050	Massachusetts-----	681	8, 773	Puerto Rico-----	88	1, 429
Colorado-----	141	1, 729	Michigan-----	345	4, 188	Rhode Island-----	166	1, 807
Connecticut-----	318	3, 918	Minnesota-----	360	4, 659	South Carolina-----	149	2, 030
Delaware-----	58	749	Mississippi-----	137	2, 052	South Dakota-----	106	1, 253
Dist of Col-----	70	924	Missouri-----	321	4, 209	Tennessee-----	199	2, 328
Florida-----	170	2, 311	Montana-----	74	1, 054	Texas-----	620	7, 579
Georgia-----	257	3, 444	Nebraska-----	118	1, 624	Utah-----	137	1, 310
Hawaii-----	105	1, 579	Nevada-----	8	129	Vermont-----	84	1, 112
Idaho-----	115	1, 188	New Hampshire-----	78	977	Virginia-----	275	3, 633
Illinois-----	664	8, 758	New Jersey-----	358	4, 619	Washington-----	215	2, 490
Indiana-----	372	4, 496	New Mexico-----	77	920	West Virginia-----	125	1, 817
Iowa-----	270	3, 445	New York-----	1, 440	19, 211	Wisconsin-----	358	4, 423
Kansas-----	255	2, 936	North Carolina-----	265	3, 150	Wyoming-----	50	594
			North Dakota-----	78	1, 117			

¹ Includes 205 warrant officers

No 140.—NAVY, MARINE CORPS, AND THE NAVAL RESERVE: ORGANIZED STRENGTH, JUNE 30

Year	Navy		Naval Reserve ¹		Marine Corps		Marine Corps Reserve	
	Officers	Enlisted men	Officers	Enlisted men	Officers	Enlisted men	Officers	Enlisted men
1905-----	2, 252	30, 804	465	4, 475	273	6, 932	-----	-----
1910-----	2, 921	45, 076	540	5, 961	334	9, 152	-----	-----
1915-----	3, 780	52, 561	606	7, 706	344	9, 968	-----	-----
1917-----	4, 253	100, 539	² 4, 166	46, 070	500	24, 772	373	4, 073
1918-----	7, 974	208, 671	² 15, 486	217, 136	¹ 283	45, 348	210	5, 188
1919-----	10, 488	169, 575	² 32, 137	80, 705	1, 997	43, 921	725	6, 145
1920-----	9, 171	107, 601	² 28, 482	1, 849	1, 106	16, 061	564	4, 750
1921-----	8, 625	119, 205	² 19, 734	(³)	1, 087	21, 903	545	4, 180
1922-----	7, 831	88, 580	² 5, 340	⁴ 13, 400	1, 142	20, 098	446	1, 110
1923-----	7, 873	82, 355	4, 222	16, 098	1, 140	18, 533	136	443
1924-----	8, 126	87, 327	3, 975	21, 015	1, 157	19, 176	137	501
1925-----	8, 389	84, 289	3, 818	24, 457	1, 168	18, 310	150	483
1926-----	8, 574	82, 161	3, 736	25, 654	1, 178	17, 956	250	2, 647
1927-----	8, 904	83, 566	3, 771	26, 293	1, 200	18, 000	378	5, 685
1928-----	8, 856	84, 276	4, 091	27, 072	1, 198	17, 822	413	8, 368
1929-----	8, 005	85, 284	6, 078	28, 821	1, 182	17, 615	445	9, 110
1930-----	8, 985	84, 872	7, 002	31, 777	1, 212	18, 172	488	10, 265
1931-----	9, 260	80, 863	7, 549	34, 586	1, 194	17, 586	536	9, 425
1932-----	9, 423	81, 093	7, 869	34, 802	1, 196	15, 355	557	8, 437
1933-----	9, 449	79, 206	7, 978	32, 889	1, 192	14, 876	642	8, 742

¹ Naval Militia prior to 1917² Enrolled³ No figures available⁴ Approximate

No. 141.—VESSELS OF THE U. S. NAVY FIT FOR SERVICE (INCLUDING THOSE UNDER REPAIR). NUMBER AND DISPLACEMENT

Date	Total		Fighting ships		Nonfighting ships	
	Number	Displacement	Number	Displacement	Number	Displacement
June 30-----		<i>Tons</i>		<i>Tons</i>		<i>Tons</i>
1906-----	276	692, 592	200	518, 115	76	174, 477
1910-----	308	1, 075, 407	220	828, 695	88	246, 712
1915-----	343	1, 352, 135	230	913, 334	113	438, 801
1920-----	795	2, 111, 457	618	1, 369, 880	177	741, 577
1925-----	754	2, 274, 376	567	1, 269, 791	187	1, 004, 585
1930-----	685	2, 228, 617	551	1, 305, 741	134	922, 873
1931-----	598	2, 051, 659	464	1, 091, 590	134	960, 069
December 31-----						
1931-----	589	2, 010, 819	455	1, 068, 890	134	941, 929
1932-----	591	2, 021, 519	458	1, 080, 750	133	940, 769
1933-----	595	2, 010, 249	467	1, 097, 930	128	912, 319

Sources Table 139, War Department, Tables 140 and 141, Navy Department

No. 142.—VESSELS OF THE U. S. NAVY FIT FOR SERVICE (INCLUDING THOSE UNDER REPAIR): NUMBER AND DISPLACEMENT, BY TYPES, DECEMBER 31, 1933

NOTE.—Displacements of combatant vessels are given as standard displacements (displacements arrived at in accordance with the terms of the London Treaty for the Limitation and Reduction of Naval Armament), of all other vessels, load displacements. Vessels under construction December 31, 1933, were as follows: 7 heavy cruisers (70,000 tons), 4 light cruisers (40,000 tons), 3 aircraft carriers (53,800 tons), 32 destroyers (50,800 tons), 5 submarines (6,350 tons), 2 gunboats (4,000 tons); total, 53 vessels (224,950 tons). In addition, 1 heavy cruiser, 5 light cruisers, and 1 transport had been authorized but contracts not placed. "In commission" includes vessels in reserve commission and rotating-reserve commission.

Class and type	In commis- sion		Out of commis- sion		Class and type	In commis- sion		Out of commis- sion	
	Num- ber	Dis- place- ment	Num- ber	Dis- place- ment		Num- ber	Dis- place- ment	Num- ber	Dis- place- ment
Grand total.....	345	1,379,319	250	630,930	Mine vessels—Con.				
Battleships, total.....	15	455,400			Mine sweepers.....	28	23,520	9	7,560
Not over age.....	14	429,300			Patrol vessels, total.....	44	16,090	19	6,040
Over age.....	1	26,100			Eagles.....	12	5,160	13	5,590
Cruisers, total.....	20	163,150	1	7,350	Submarine chas- ers.....	18	1,350	6	450
Heavy cruisers.....					Gunboats.....	4	4,840		
Not over age.....	10	92,650			River gunboats.....	8	3,120		
Over age.....			1	7,350	Converted yachts.....	2	1,620		
Light cruisers— not over age.....	10	70,500			Auxiliaries, total.....	60	411,435	42	389,515
Aircraft carriers.....	3	177,500			Destroyer tenders.....	6	60,950	2	21,750
Not over age.....	2	66,000			Submarine tend- ers.....	5	40,500	2	17,570
Over age.....	1	11,500			Aircraft tender.....	1	11,500	1	19,250
Destroyers, total ¹	101	115,820	128	126,610	Repair ships.....	2	18,720	1	8,100
Not over age.....	3	3,570			Store ships.....	2	21,100	2	25,200
Over age.....	98	112,250	128	126,610	Collars.....			3	57,640
Submarines, total.....	55	52,970	28	15,950	Oilers.....	7	96,350	11	173,150
Not over age.....	³ 44	44,160	1	790	Ammunition ship.....	1	10,600	1	10,600
Over age.....	10	6,100	⁴ 27	15,160	Cargo ships.....	2	22,900	3	33,450
Mine laying—not over age.....	1	2,710			Transports.....	2	20,700		
Mine vessels, total.....	33	32,360	20	28,690	Hospital ship.....	1	9,800	1	9,450
Mine layers.....	1	4,200	3	11,850	Ocean-going tugs.....	18	16,355	14	12,235
Light mine lay- ers—over age.....	4	4,640	8	9,280	Submarine rescue vessels.....	5	6,170	1	1,120
					Miscellaneous.....	8	75,790		
					Unclassified.....	14	54,594	12	56,775

¹ Excludes weight allowance under Washington Treaty for providing against air and submarine attack.

² In addition there were 8 destroyers (over age) of 8,970 tons, operated by U S Coast Guard.

³ Includes U S S *Cachalot* which is in commission but not completed.

⁴ Includes S-4, which is in commission as a special experimental vessel without propulsive machinery.

No. 143.—AMERICAN NATIONAL RED CROSS: EXPENDITURES OF THE NATIONAL ORGANIZATION AND ADULT MEMBERSHIP, YEARS ENDED JUNE 30

NOTE.—All figures in thousands of dollars. Expenditures do not include chapter budgets. Total Continental United States adult membership (including Alaska) and per cent of total population for recent years are as follows: 1927-28, 3,975,155 (3 4 per cent), 1928-29, 4,019,316 (3 4 per cent), 1929-30, 4,005,513 (3 3 per cent); 1930-31, 3,962,136 (3 2 per cent), 1931-32, 3,899,650 (3 1 per cent), 1932-33, 3,608,121 (2 9 per cent). Total adult membership, including insular and foreign, 1932-33, 3,701,866.

	1924- 1929, total	1925	1929	1930	1931	1932	1933
Total.....	72,006	19,866	11,064	4,255	15,182	6,553	3,674
Domestic operations:							
Service to disabled veterans.....	7,816	862	738	883	740	463	531
Service to men of the Regular Army and Navy.....	1,851	307	308	300	372	374	264
Disaster relief.....	35,232	16,692	4,864	1,208	11,897	3,831	1,864
Enrolled Nurses' Reserve.....	272	46	44	41	42	42	32
Public health nursing and home hygiene.....	1,634	247	242	264	251	253	210
First aid and life saving.....	1,538	297	301	274	272	302	293
Junior Red Cross.....	1,325	237	238	260	245	222	202
Other domestic operations.....	2,071	363	364	250	238	278	156
Insular and foreign operations:							
Disaster relief.....	16,122	213	3,343	134	442	188	120
League of Red Cross Societies.....	1,133	211	208	208	248	168	156
Junior Red Cross foreign projects.....	388	31	29	29	27	22	29
Assistance to insular chapters.....		64	66	85	76	77	56
Other insular and foreign work.....	839	29	40	23	41	40	29
Supervision of service activities and general management.....	1,782	268	278	296	293	295	232

Sources: Table 142, Navy Department, Table 143, The American Red Cross, except per cent of membership to population, which is based on population estimates of the Bureau of the Census.

GENERAL NOTE—Under an act approved July 3, 1930, all Government agencies having to do with the administration of laws relating to the relief of and other benefits provided by law for former members of the military and naval forces were consolidated into one establishment, the Veterans' Administration. This agency is responsible for extending relief to veterans and dependents of deceased veterans provided for by the various acts of Congress. These laws include, in addition to pensions and compensation, benefits in the form of Government insurance, military and naval insurance, adjusted compensation, emergency officers' retirement pay for veterans of the World War, and hospital and domiciliary care for veterans of all wars.

"An act to maintain the credit of the United States Government", approved March 20, 1933, repealed all laws granting medical, hospital, or domiciliary care, compensation and other allowances, pension, disability allowance, or retirement pay to veterans and dependents of veterans (except so far as they relate to persons who served prior to the Spanish-American War, and their dependents, and the retirement of officers and enlisted men of the Army, Navy, Marine Corps, or Coast Guard), and under broad limitations authorized the President to establish rules of entitlement and rates. The new policy established the following principles: (1) To pay pensions and to furnish medical, hospital, and domiciliary care to veterans disabled, and to grant pensions to the dependents of veterans who died, as a result of injury or disease incurred or aggravated in the military or naval service in time of war and in peace time, with the more liberal pension rates for war service. (2) To grant pensions to war veterans permanently and totally disabled and in need, and to furnish medical, hospital, and domiciliary care to permanently disabled war veterans including those suffering with tuberculosis or neuropsychiatric ailments who are without adequate means and unable to earn a living, and, except as to rates, to continue a preexisting provision for pensions to widows and children of deceased Spanish-American War veterans who have died, as a result of injury or disease not connected with the military or naval service. The Independent Offices Appropriation Act, 1935, enacted March 28, 1934, modified the provisions of the Economy Act of March 20, 1933, and the presidential regulations promulgated thereunder by making effective as to certain groups the provisions of the prior laws within certain limitations and with certain exceptions.

United States Government life insurance is issued in any multiple of \$500, not less than \$1,000 or more than \$10,000, upon the payment of premiums at a net peace-time rate, with no extra charge for administration or excess mortality due to the hazards of war. (For forms of insurance see Table 148, for rates, Table 143, Statistical Abstract 1932.) The policies carry the usual provisions common to policies issued by commercial companies, such as extended insurance, paid-up insurance, cash surrenders, and loans. Dividends are also paid from excess of interest earnings and savings in mortality.

The act of May 19, 1924, authorized the payment of adjusted compensation to all veterans of the World War, excluding officers above the grade of captain in the Army or Marine Corps or similar rank in the Navy and Coast Guard. The rate of adjusted compensation for service in excess of 60 days is \$1.25 and \$1 per day and the amount of credit is limited to \$625 and \$500 for overseas and home service, respectively. Veterans entitled to not more than \$50 are paid in cash and others are given a 20-year endowment insurance policy for an amount that the adjusted-service credit increased by 25 percent would purchase at the age of veteran on the birthday nearest the date of the certificate, with interest at 4 percent compounded annually. An amendment authorized the Administration to make loans to veterans on adjusted-service certificates. Applications for adjusted compensation may be filed to January 2, 1935.

No. 144.—DISBURSEMENTS BY THE VETERANS' ADMINISTRATION AND PREDECESSOR ORGANIZATIONS: YEARS ENDED JUNE 30

NOTE—Disbursements from the civil service retirement fund and the Canal Zone retirement fund, which were under the jurisdiction of the Veterans' Administration during the fiscal years 1931, 1932, and 1933, are not included. Administration of these funds was transferred to the Civil Service Commission under Executive order of April 7, 1934. Disbursements from adjusted-service certificate fund represent payments on certificates matured by death of veterans and do not include loans. Total amount disbursed from insurance premiums, allotments deducted from pay of World War veterans while in service, etc., \$990,607,000.

[All figures in thousands of dollars]

	Total to June 30, 1933	1929	1930	1931	1932	1933
Total expenditures for relief of veterans..	16, 241, 242	673, 288	684, 023	759, 367	841, 437	833, 499
Veterans' Administration homes.....	251, 647	8, 795	10, 812	11, 264	¹ 1, 267	¹ 67
Army and Navy pensions.....	8, 871, 484	229, 890	219, 204	234, 420	232, 509	234, 996
Maintenance and expense for pensions.....	153, 102	1, 277	1, 272	1, 374	¹ 143	¹ 1
Military and naval compensation.....	2, 520, 830	188, 930	199, 229	253, 969	313, 291	315, 589
Military and naval insurance.....	1, 620, 784	121, 349	122, 769	117, 924	123, 741	123, 039
United States Government life insurance.....	200, 474	22, 302	24, 677	25, 952	28, 737	28, 062
Adjusted-service certificate fund.....	158, 573	19, 745	20, 131	19, 392	23, 216	24, 621
Adjusted service and dependent pay.....	45, 556	6, 453	3, 130	2, 463	2, 480	² 252
Medical and hospital services.....	426, 624	29, 809	32, 185	36, 750	¹ 6, 528	¹ 84
Hospital and domiciliary facilities and service (construction).....	78, 721	4, 044	8, 242	9, 040	12, 876	13, 517
State and Territorial homes.....	38, 400	584	585	590	786	758
Administration ²	611, 232	40, 060	41, 739	46, 142	95, 867	89, 957
Vocational training.....	644, 926	³ 3	³ 20	³ 22	³ 17	³ 17
Allotments and allowances.....	582, 943	³ 9	2	³ 9	9	8
Marine and seamen's insurance.....	35, 078	2	—	2	—	—
Miscellaneous.....	869	61	66	102	5	565

¹ Disbursed from appropriations for previous years.

² Includes salaries and expenses, increase of compensation, printing and binding, administrative expenses, adjusted compensation, and, for 1932 and 1933, medical, hospital, and domiciliary services.

³ Credit.

No. 145.—COMPENSATION, EMERGENCY OFFICERS' RETIREMENT PAY, AND DISABILITY ALLOWANCE AWARDS

NOTE—See general note, p 147

Year ended June 30—	Number of awards made during year					Number of awards active at end of year				
	Compensation				Emerg- ency officers' retire- ment	Dis- ability allow- ance	Compensation ¹		Emerg- ency officers' retire- ment	Dis- ability allow- ance
	Total original awards	Original deaths	Original disabil- ity	Dis- ability changed to death			Death	Dis- ability		
1918	2,820	1,604	1,156				24,458	24,947		
1919	50,353	23,225	27,128				42,945	154,408		
1920	175,778	19,657	156,121	721			47,559	154,960		
1921	104,669	5,704	98,905	1,628			51,339	174,024		
1922	77,136	4,734	72,402	1,482			55,334	183,090		
1923	35,359	2,532	32,827	3,899			57,971	179,037		
1924	15,262	2,011	13,251	2,939			65,958	211,644		
1925	28,881	4,995	23,886	3,356			78,881	226,484		
1926	26,780	9,175	17,605	4,913			82,827	243,611		
1927	15,429	2,303	13,126	3,514			85,634	257,536		
1928	14,152	1,890	12,262	3,370			87,668	262,138	4,243	
1929	14,300	1,794	12,506	2,871	4,350		90,954	279,539	6,083	
1930	16,448	2,447	14,001	3,004	1,987		93,334	299,288	6,364	229,568
1931	25,166	2,456	22,710	2,697	436	239,073	97,448	328,658	6,415	407,584
1932	27,274	3,425	23,849	3,109	191	199,545	98,628	336,710	6,007	
1933	15,936	1,812	14,124	1,931	15	54,230				

Year ended June 30—	Disbursements (thousands of dollars) during year for—					Average annual value of awards active at end of year				
	Total	Compensation		Emergency officers' retire- ment pay	Dis- ability allow- ance	Total	Compensation ²		Emergency officers' retire- ment pay	Dis- ability allow- ance
		Death	Dis- ability				Death	Dis- ability		
1918	341	169	173							
1919	11,301	4,762	6,539							
1920	103,123	21,110	82,013							
1921	121,305	17,577	103,728							
1922	123,351	16,567	106,784							
1923	125,594	18,544	107,051			\$414	\$308	\$446		
1924	115,495	19,405	96,090			412	307	446		
1925	129,597	25,467	104,130			421	317	453		
1926	164,437	31,193	133,244			435	324	474		
1927	173,477	29,338	144,139			487	327	541		
1928	181,800	30,819	150,981			487	328	539		
1929	188,920	31,044	157,876	4,796		494	330	529	\$1,683	
1930	199,229	32,966	166,263	11,229		500	331	529	1,682	
1931	253,969	31,442	181,900	10,938	29,690	393	335	533	1,687	\$199
1932	313,267	36,716	189,540	11,553	75,458	353	336	529	1,683	193
1933	315,593	35,583	184,825	9,969	85,186	349	336	524	1,654	189

¹ Figures for 1918 not available.² Not computed for 1918 to 1922.

No. 146.—TERM AND CONVERTED INSURANCE AWARDS

	Total to June 30, 1933	Year ended June 30—				
		1929	1930	1931	1932	1933
Number of awards made during period or year:						
Term and automatic insurance—						
Total original awards-----	192,614	978	947	1,407	2,251	1,481
Original death-----	154,764	372	349	312	204	130
Original disability-----	37,850	606	598	1,095	2,047	1,351
Disability changed to death-----	20,467	938	810	654	1,050	948
Converted insurance—						
Total original awards-----	30,756	3,406	3,507	3,510	3,825	3,721
Original death-----	19,472	2,205	2,237	2,147	2,285	2,356
Original disability-----	11,284	1,201	1,270	1,363	1,540	1,365
Disability changed to death-----	2,760	264	344	353	370	435
Number of awards active at end of year:						
Term and automatic insurance—						
Death-----		157,369	155,254	152,982	153,268	151,464
Disability-----		145,425	143,053	140,369	139,265	137,027
Converted insurance—						
Death-----		11,944	12,201	12,613	14,003	14,437
Disability-----		6,634	8,042	8,025	9,443	10,773
Death-----		2,532	3,006	2,016	2,251	2,722
Disability-----		4,102	5,036	6,009	7,192	8,051

Source of Tables 145 and 146 Veterans' Administration

No 147.—GOVERNMENT LIFE INSURANCE IN FORCE AND PREMIUMS PAID

[Amounts in thousands of dollars. See general note, p. 147]]

June 30 or year ended June 30—	Insurance policies in force June 30						Premiums paid during year	
	Total		Yearly renewable term insurance		U. S Government life insurance		Term insurance ¹	U. S. Government life
	Number	Amount	Number	Amount	Number	Amount		
1921-----	651,054	3,849,376	397,890	2,980,660	253,164	868,716	68,783	22,272
1922-----	581,778	3,348,400	300,926	2,314,664	280,852	1,033,737	21,200	26,864
1923-----	560,065	3,070,210	240,291	1,854,146	319,774	1,216,064	16,141	30,910
1924-----	562,600	2,984,573	209,385	1,609,031	353,215	1,375,543	14,604	35,345
1925-----	552,340	2,865,029	177,328	1,372,091	375,012	1,492,937	13,469	39,388
1926-----	553,660	2,781,587	130,103	1,008,511	423,557	1,773,076	10,458	44,417
1927-----	587,980	2,893,045	87,100	672,075	500,880	2,220,970	6,764	54,048
1928-----	660,374	3,113,649	266	1,654	660,108	3,111,995	1,374	71,113
1929-----	650,066	3,059,919	229	1,342	649,837	3,058,577	552	69,263
1930-----	648,248	3,042,743	204	1,142	648,044	3,041,601	1,022	67,168
1931-----	646,055	3,024,445	91	506	645,964	3,023,938	208	69,201
1932-----	641,247	2,977,330	29	246	641,218	2,977,083	258	67,603
1933-----	616,069	2,782,709	-----	-----	616,069	2,782,709	245	67,962

¹ Net premiums.

No. 148.—GOVERNMENT LIFE INSURANCE: CONVERTED INSURANCE ISSUED AND IN FORCE, BY PLAN

Plan	Issued to June 30, 1933					In force June 30, 1933	
	Number	Amount (1,000 dollars)	Average policy	Per cent of total		Number	Amount (1,000 dollars)
				Number	Amount		
Total-----	899,782	3,995,448	\$4,440	100.00	100.00	616,069	2,782,709
Ordinary life-----	189,413	955,475	5,044	21.05	23.91	141,321	743,675
20-payment life-----	217,163	912,936	4,204	24.13	22.85	165,695	714,393
30-payment life-----	34,870	174,527	5,005	3.88	4.37	29,506	150,241
20-year endowment-----	223,948	590,259	2,636	24.89	14.77	116,611	338,772
30-year endowment-----	44,098	184,706	4,189	4.90	4.62	38,529	143,171
Endowment at age 62-----	42,929	203,551	4,742	4.77	5.10	34,541	165,721
5-year convertible term-----	144,583	960,340	6,642	16.07	24.04	69,397	444,637
5-year level premium term-----	2,778	13,654	4,915	.31	.34	2,568	12,351
Extended insurance-----	-----	-----	-----	-----	-----	22,901	69,748

No. 149.—GOVERNMENT LIFE INSURANCE FUND: FINANCIAL STATEMENT OF FUNDS FROM ORIGIN, MAY 31, 1919, TO JUNE 30, 1933

	Total to June 30, 1933	Year ended June 30, 1933		Total to June 30, 1933	Year ended June 30, 1933
Income, total-----	\$807,831,156	\$74,628,152	Disbursements—Contd.		
Premiums-----	650,232,523	61,436,493	Dividends-----	\$52,193,244	\$5,489,848
Interest on investments-----	75,657,971	5,698,113	Interest on dividend deposits-----	8,872	3,493
Repayments under sec. 302, World War Veterans' Act 1924-----	63,485,096	5,674,105	Payments on matured endowments-----	787,234	234,335
Profit on sale of investments-----	8,467,385	-----	Balance, total-----	607,357,457	-----
Interest on loans-----	9,882,238	1,801,711	Investment and interest-----	130,236,580	-----
Interest on premiums-----	105,943	17,730	Loans on adjusted-service certificates-----	339,217,724	-----
Disbursements, total-----	200,473,699	28,061,672	Loans on policies-----	135,303,296	-----
Paid on claims-----	125,805,546	17,644,760	Cash on hand-----	2,599,857	-----
Paid on surrenders-----	21,678,803	4,689,236			

¹ Includes interest on policy loans and on adjusted-ser-

Source of Tables 147, 148, and 149 Veterans' Administ

No. 150.—ADJUSTED COMPENSATION AWARDS TO JUNE 30, 1933

Note—Loans on adjusted-service certificates during the year ended June 30, 1933, totaled \$114,441,000; loans outstanding on June 30, 1933, amounted to \$1,536,880,000 and were made to 2,836,922 veterans

Claim	Total, all branches		Army		Navy		Marine Corps	
	Number	Amount (1,000 dollars)	Number	Amount (1,000 dollars)	Number	Amount (1,000 dollars)	Number	Amount (1,000 dollars)
Grand total	3,990,674	3,717,487	3,428,858	3,148,846	491,179	495,702	70,637	72,939
Cash								
Veterans (\$50 or less)	154,065	5,202	142,091	4,883	11,419	301	555	18
Dependents (less than \$50)	8,975	244	8,295	227	604	15	76	2
Dependents (\$50 or over) ¹	116,659	40,556	103,460	35,269	10,421	4,195	2,778	1,092
Certificates	3,710,975	3,668,412	3,175,012	3,105,680	468,735	491,003	67,228	71,729
\$60 lump sum payments		3,073		2,787		188		98

¹ Payments of \$50 or more to dependents are made in 10 equal quarterly installments.

No. 151.—HOSPITALIZATION: VETERANS' ADMINISTRATION BENEFICIARIES

Note—See general note, p 147

Groups of hospitals and year (years ended June 30)	Beds available	Avg. daily patients, period of operation	Patients remaining at expiration of year				Personnel on duty at close of year	Operating expenses	Per diem cost
			Total	Tuberculosis	Neuro-psychiatric	General			
All hospitals									
1923		24,526	23,604	9,886	9,403	4,315			
1924		22,158	22,726	8,831	9,875	4,020			
1925		27,447	26,631	9,660	12,139	4,832			
1926		27,012	25,858	7,863	12,902	5,093			
1927		26,386	25,318	6,956	12,748	5,614			
1928		26,372	26,139	6,542	13,057	6,540			
1929		27,642	27,784	6,547	13,781	7,456			
1930		29,513	30,447	6,738	15,035	8,679			
1931		32,713	35,055	6,560	16,936	11,559			
1932		42,448	43,334	6,985	19,528	16,821			
1933		42,526	33,518	5,804	19,791	7,923			
Veterans' Adm. hospitals									
1923	18,693	12,264	10,429	4,773	3,438	2,218	9,889	\$21,839,009	¹ \$4.91
1925	20,504	15,855	15,743	6,013	7,433	2,297	12,818	23,354,485	¹ 4.04
1927	20,640	17,305	16,911	5,023	9,081	2,807	12,653	25,282,431	¹ 4.00
1929	22,077	19,326	19,299	5,035	10,941	3,323	13,614	28,178,406	¹ 4.01
1930	22,508	20,259	20,782	5,136	12,034	3,612	12,267	28,520,157	¹ 3.86
1931	25,399	22,339	23,749	5,077	13,577	5,095	13,220	30,414,020	¹ 3.72
1932	29,146	26,561	26,975	4,781	16,261	5,933	14,339	31,995,632	¹ 3.44
Vet. Adm. homes, 1932	6,739	5,928	5,829	1,007	885	3,937			
Vet. Adm. facilities, 1932 ²			33,732	32,420	5,587	19,134	³ 19,594	⁴ 33,391,143	¹ 4.29

¹ Excludes hospitals which operated for only part of year under unnatural conditions.

² Includes total patient load in hospitals, homes, and combined facilities.

³ All employees in hospitals and medical activity only in homes and combined facilities

⁴ Includes hospitals operated in connection with Veterans' Administration homes

No. 152.—U.S. VETERANS RECEIVING HOSPITAL OR DOMICILIARY CARE AUTHORIZED BY THE VETERANS' ADMINISTRATION: YEAR ENDED JUNE 30, 1933

	Standard bed capacity	Daily avg patients receiving hospital treatment	Veterans receiving hospital treatment at end of year				Veterans receiving domiciliary care	Total receiving hospital or domiciliary care
			Total	Tuberculosis	Neuro-psychiatric	General		
Total	63,613	42,526	33,518	5,804	19,791	7,923	11,187	44,705
Veterans' Adm. facilities	62,515	33,732	32,420	5,587	19,134	7,699	11,187	43,607
Public Health Service	¹ 34	860	34	6	3	25		34
Army hospitals	¹ 302	1,726	302	161	20	121		302
Navy hospitals	¹ 50	3,958	50	7	7	36		50
Interior Dept hospitals	¹ 197	319	197		192	5		197
Contract hospitals	¹ 515	1,931	515	43	435	37		515

¹ Represents only those hospital beds occupied by veterans and authorized by the Veterans' Administration

Source of Tables 150, 151, and 152 Veterans' Administration.

No. 153.—WAR PENSIONERS AND DISBURSEMENTS FOR PENSIONS

NOTE.—Provision for those participating in the World War or their dependents was made by other methods (see Table 145) and the expenditures are not included in this table except in the case of a few individuals whose claims were based on disability or death resulting from disability of service origin prior to April 6, 1917, and after July 2, 1921. See also general note, p 147

June 30 or year ended June 30—	Number on rolls			Dis- burse- ments for pen- sions	Main- te- nance and ex- penses	June 30 or year ended June 30—	Number on rolls			Dis- burse- ments for pen- sions	Main- te- nance and ex- penses
	Veter- ans	Depen- dents	Total				Veter- ans	Depen- dents	Total		
				In thousands of dollars						In thousands of dollars	
1866.....	55,652	71,070	126,722	15,450	407	1908.....	658,071	293,616	951,687	153,093	2,801
1870.....	87,521	111,165	198,686	29,351	600	1909.....	632,557	313,637	946,194	161,974	2,853
1875.....	122,989	111,832	234,821	29,270	982	1910.....	602,180	318,908	921,088	159,974	2,658
1880.....	145,410	106,392	252,802	56,689	935	1911.....	570,050	322,048	892,098	157,325	2,617
1885.....	247,146	97,879	345,125	67,172	3,393	1912.....	538,000	322,224	860,224	152,936	2,449
1887.....	306,298	99,709	406,007	73,753	3,753	1913.....	503,633	316,567	820,200	174,172	2,543
1888.....	343,701	108,856	452,557	78,951	3,515	1914.....	470,331	314,908	785,239	172,418	2,067
1889.....	373,699	116,026	489,725	88,843	3,467	1915.....	437,448	310,699	748,147	165,518	1,780
1890.....	415,654	122,290	537,944	106,094	3,526	1916.....	403,120	306,452	709,572	159,155	1,657
1891.....	536,821	139,339	676,160	117,313	4,701	1917.....	369,936	303,175	673,111	160,895	1,563
1892.....	703,242	172,826	876,068	139,394	4,899	1918.....	340,313	306,582	646,895	179,835	1,528
1893.....	759,706	206,306	966,012	156,907	4,868	1919.....	313,140	311,287	624,427	222,159	1,435
1894.....	754,382	215,162	969,544	139,987	3,964	1920.....	285,219	306,971	592,190	213,295	1,395
1895.....	751,456	219,068	970,524	139,812	4,338	1921.....	267,731	298,322	566,053	258,721	1,390
1896.....	748,514	222,164	970,678	138,221	3,991	1922.....	256,918	290,098	547,016	253,808	1,394
1897.....	747,492	228,522	976,014	139,950	3,988	1923.....	253,686	286,070	539,756	263,013	1,992
1898.....	758,511	235,203	993,714	144,652	4,114	1924.....	248,116	277,423	525,539	229,995	1,498
1899.....	754,104	237,415	991,519	138,365	4,148	1925.....	244,886	267,651	512,537	217,151	1,489
1900.....	752,510	241,019	993,529	138,462	3,842	1926.....	246,139	255,584	501,723	207,844	1,456
1901.....	748,649	249,086	997,735	138,531	3,869	1927.....	246,194	248,748	494,942	230,153	1,327
1902.....	739,443	260,003	999,446	137,504	3,831	1928.....	259,030	232,164	491,194	228,966	1,215
1903.....	729,356	267,189	996,545	137,760	3,993	1929.....	259,580	218,335	477,915	229,890	1,277
1904.....	720,921	273,841	994,762	141,094	3,849	1930.....	256,988	207,269	464,257	219,204	1,272
1905.....	717,761	280,680	998,441	141,143	3,722	1931.....	255,562	195,871	451,433	234,420	1,374
1906.....	701,483	284,488	985,971	139,000	3,523	1932.....	251,694	186,247	437,941	232,509	(1)
1907.....	679,937	287,434	967,371	138,155	3,309	1933.....	242,719	174,121	416,840	234,996	(1)

PENSIONERS AND PENSIONS OF THE SEVERAL WARS

War	Total payments (\$1,000 dollars) 1790 to June 30, 1933	Number on rolls June 30—			Amount paid (thou- sands of dollars), year ended June 30—			Average pensions at end of year		
		1920	1930	1933	1920	1930	1933	1920	1930	1933
Total.....	8,871,484	592,190	464,257	416,840	213,295	219,204	234,996	\$340	\$455	\$507
War of the Revolution.....	70,000									
War of 1812.....	46,208	71	10	7	21	6	4	233	540	514
Indian wars.....	58,304	6,228	9,645	9,220	1,746	4,555	4,716	203	446	449
War with Mexico.....	60,424	2,571	630	415	677	395	285	240	586	582
Civil War.....	7,698,594	533,729	216,692	149,515	202,586	125,785	98,272	359	542	567
War with Spain.....	811,819	30,432	217,730	233,270	4,624	83,751	125,306	142	389	499
Regular Establishment.....	109,313	19,331	19,491	24,366	3,604	4,697	6,400	181	232	230
World War.....	308	128	59	47	37	15	13	228	261	251
Unclassified.....	16,514									

AVERAGE ANNUAL VALUE OF PENSIONS AT END OF FISCAL YEARS—

	1910	1915	1920	1925	1926	1927	1928	1929	1930	1931	1932	1933
Average, all wars, total.....	\$172	\$215	\$340	\$400	\$430	\$453	\$451	\$460	\$455	\$507	\$513	\$507
Veterans.....	184	263	409	455	504	522	495	478	470	552	567	555
Dependents.....	149	148	275	350	359	383	402	438	437	448	440	439
Civil War, total.....	174	220	359	477	484	523	528	550	542	594	581	567
Veterans.....	187	275	452	699	745	847	847	850	852	1,076	1,087	1,087
Dependents.....	148	147	251	360	361	386	406	451	452	470	469	468
War with Spain, total.....	128	134	142	206	343	351	362	376	389	460	492	499
Veterans.....	121	129	132	193	334	344	357	373	389	473	516	523
Dependents.....	159	160	175	278	399	395	394	391	389	386	363	351
Peace time, total.....	173	176	181	198	203	186	222	219	232	234	236	230
Veterans.....	166	169	173	192	198	200	224	218	235	237	241	236
Dependents.....	197	200	204	219	221	132	217	223	219	221	216	206

¹ Cost, maintenance, and expenses of pension system included with that of Veterans' Administration, Source, Veterans' Administration.

No. 154.—CIVIL SERVICE RETIREMENT: SUMMARY, YEARS ENDED JUNE 30

NOTE.—Retirement for civil service employees was established by act of May 22, 1920. Under this act and amendments of July 3, 1926, and May 29, 1930 (effective July 1, 1930) employees of the classified service with competitive status, most of the principal groups of unclassified laborers, and certain other groups are eligible for retirement on annuity at the ages of 62, 65, and 70, according to the class of service, if they have rendered at least 15 years of service. The last-named act permits the optional retirement of employees two years before reaching the retirement age where they have rendered at least 30 years of service and also provides for the retirement of those in the service not less than 5 years who, before reaching the retirement age, become disabled. From the basic compensation of each employee within the scope of the acts there is deducted $3\frac{1}{2}$ per cent ($2\frac{1}{2}$ prior to July 1, 1926) thereof for deposit to the credit of the retirement fund. All amounts deducted prior to July 1, 1930, and thereafter amounts deducted less \$1 per month are credited to the employee's individual account. Under the amendment of May 29, 1930, annuities are composed of (1) a sum equal to \$30 for each year of service not exceeding 30 and (2) the amount of annuity purchasable with the sum credited to the individual's account together with interest at 4 per cent per annum.

[All money figures in thousands of dollars, except as indicated]

June 30 or year ended June 30—	Number of annuitants on roll					Civil service retirement and disability fund						
	Total	Retired for age ¹	Ret- ired for dis- ability	Invol- un- tary sepa- ration ¹	30 years' serv- ice	Receipts			Disbursements			Bal- ance in fund June 30
						Total ²	Salary deduc- tions ³	Appro- pri- ations	Total ⁴	Annu- ities	Re- funds	
1921.....	6,471	5,947	52	-----	-----	12,586	12,524	-----	2,914	2,591	323	9,673
1922.....	7,576	6,667	909	-----	-----	14,682	14,095	-----	6,391	4,188	2,203	17,964
1923.....	9,334	7,894	1,340	-----	-----	15,156	14,174	-----	7,741	4,964	2,786	25,379
1924.....	10,548	8,894	1,653	-----	-----	16,642	15,158	-----	8,552	5,695	2,854	33,469
1925.....	11,689	9,741	1,948	-----	-----	20,029	17,999	-----	9,028	6,239	2,713	44,470
1926.....	12,524	10,277	2,247	-----	-----	20,174	17,969	-----	10,182	6,767	3,444	54,461
1927.....	14,119	11,353	2,766	-----	-----	27,168	24,356	-----	13,395	9,598	3,862	68,235
1928.....	15,383	12,173	3,210	-----	-----	29,503	26,455	-----	14,752	10,990	3,771	82,985
1929.....	16,501	12,924	3,577	-----	-----	52,520	28,123	10,950	16,063	12,005	4,067	119,442
1930.....	17,768	12,504	3,994	1,270	-----	55,447	29,048	20,500	18,126	13,108	5,049	156,763
1931.....	22,650	15,357	4,947	1,374	972	58,277	29,944	21,000	23,992	19,860	4,160	191,047
1932.....	25,567	16,600	5,973	1,404	1,590	61,442	31,853	21,000	27,470	23,516	3,925	223,588
1933.....	32,835	21,613	7,281	1,539	2,402	61,246	30,494	21,000	34,838	30,048	4,789	249,997

Number on the roll June 30 by— Sex and cause of retirement—	1932	1933	Number on the roll June 30 by— Vocations—	1932	1933
Male.....	23,398	30,052	Mechanics.....	5,552	7,065
Retired for age.....	15,551	20,321	City letter carriers.....	4,722	5,534
Retired for disability.....	5,056	6,063	Rural letter carriers.....	3,779	4,893
Involuntary separation.....	1,310	1,433	Post-office clerks.....	2,709	3,486
30 years' service.....	1,481	2,235	Railway postal clerks.....	1,871	2,662
Female.....	2,169	2,783	Departmental.....	4,620	5,952
Retired for age.....	1,049	1,292	Laborers.....	1,801	2,442
Retired for disability.....	917	1,218	Hazardous occupations and		
Involuntary separation.....	94	106	tropical service.....	385	599
30 years' service.....	109	167	Indian field service.....	128	202
Departments—			Rates per annum—		
State.....	20	33	Less than \$100.....	2	2
Treasury.....	2,228	2,978	\$100-\$199.....	25	39
War.....	2,217	2,756	\$200-\$299.....	230	307
Justice.....	68	91	\$300-\$399.....	558	691
Post Office.....	13,836	17,619	\$400-\$499.....	1,056	1,312
Navy.....	3,578	4,501	\$500-\$599.....	1,616	2,097
Interior.....	833	975	\$600-\$699.....	1,909	2,370
Agriculture.....	606	885	\$700-\$799.....	1,667	1,941
Commerce.....	288	402	\$800-\$899.....	2,041	2,327
Labor.....	112	149	\$900-\$999.....	2,775	3,210
District of Columbia.....	251	333	\$1,000-\$1,099.....	2,506	3,242
Government Printing Office.....	752	948	\$1,100-\$1,199.....	2,171	3,143
Public Buildings and Parks.....	140	214	\$1,200.....	8,745	11,783
Interstate Commerce Com'n.....	23	45	\$1,201-\$1,299.....	264	370
Veterans' Administration.....	260	449	\$1,300-\$1,399.....	2	1
Architect of the Capitol.....	40	51	Average annual rate.....	\$955	\$965
Laboratory of Congress.....	42	53	Average value of retirement roll.....	24,425	31,691
General Accounting Office.....	161	187			
Smithsonian Institution.....	43	57			
All others.....	69	109			

¹ Involuntary separation included with age prior to 1930

² Includes receipts from interest and profits not shown separately

³ Including service-credit payments

⁴ Total after taking into consideration certain accounting-office adjustments not shown separately

⁵ After adjustment on account of transfer of \$1,430,808 to Canal Zone retirement and disability fund.

Source: Veterans' Administration.

No. 155.—EXECUTIVE CIVIL SERVICE AND THE MERIT SYSTEM

June 30—	Number of employees ¹	Number of classified employees ¹	June 30—	Number of employees ¹	Number of classified employees ¹	June 30—	Number of employees ¹	Number of classified employees ¹
1816.....	6,327	-----	1901.....	256,000	106,205	1924.....	554,986	415,503
1821.....	8,211	-----	1911.....	370,000	227,657	1925.....	564,718	423,538
1831.....	19,800	-----	1913.....	443,605	282,597	1926.....	560,705	422,300
1841.....	23,700	-----	1915.....	461,993	292,291	1927.....	559,138	422,998
1851.....	33,300	-----	1916.....	438,057	296,926	1928.....	568,715	431,763
1861.....	49,200	-----	1918.....	² 917,760	642,432	1929.....	587,665	445,957
1871.....	53,900	-----	1920.....	³ 691,116	497,603	1930.....	608,915	462,083
1881.....	107,000	-----	1921.....	³ 597,482	448,112	1931.....	616,837	468,050
1884(Jan 15).....	-----	13,780	1922.....	560,863	420,688	1932.....	⁴ 578,231	467,161
1891.....	166,000	33,873	1923.....	548,531	411,398	1933.....	565,432	456,096

¹ Approximate. ² As of Nov 11 ³ As of July 31 ⁴ See note 3, Table 156, regarding data excluded.

No. 156.—EMPLOYEES IN THE FEDERAL EXECUTIVE CIVIL SERVICE

NOTE—Does not include legislative or judicial services nor the commissioned, warranted, or enlisted. The government of the District of Columbia is also not included

Department or office	Total				Dec 31, 1933				
	June 30, 1916	July 31, 1926	Dec 31, 1931	Dec 31, 1932	Total	In D. C.		Outside D. C.	
						Male	Female	Male	Female
Total.....	438,057	546,341	608,368	564,103	591,675	45,364	30,086	455,668	60,559
Department of State.....	2,783	4,270	4,944	4,686	4,291	392	319	2,721	859
Department of the Treasury.....	30,629	51,519	52,520	52,043	44,435	5,880	7,758	25,628	5,169
Department of War.....	87,695	37,076	46,360	49,101	² 58,703	2,050	1,892	50,275	4,576
Department of Justice.....	2,610	3,671	9,002	8,987	6,784	931	516	4,324	1,013
Post Office Department ³	250,885	308,164	315,528	273,583	270,000	2,867	780	243,180	23,173
Department of the Navy.....	35,722	42,506	47,304	46,936	49,195	6,317	1,117	39,864	1,897
Department of the Interior.....	19,347	12,201	14,983	14,483	25,254	4,909	1,955	15,678	2,712
Department of Agriculture.....	18,736	20,624	28,127	26,371	33,088	4,890	3,887	20,744	3,567
Department of Commerce.....	8,903	14,337	20,709	17,816	15,759	2,952	1,451	10,716	640
Department of Labor.....	2,504	4,041	5,563	5,496	4,713	413	458	3,221	626
Government Printing Office.....	4,028	4,142	5,043	4,758	4,660	3,796	870	-----	-----
Smithsonian Institution.....	4,784	493	566	545	560	413	147	-----	-----
Interstate Com. Com'n.....	2,243	1,856	2,379	2,311	1,911	989	299	600	23
Civil Service Commission.....	250	444	624	623	601	184	259	84	74
Federal Trade Commission.....	238	302	530	472	472	287	140	29	16
Merchant Fleet Corporation ⁴	-----	-----	-----	-----	440	217	126	72	25
Shipping Board.....	-----	1,551	968	666	(⁵)	-----	-----	-----	-----
Alien Property Custodian.....	-----	233	127	118	71	34	37	-----	2
Tariff Commission.....	-----	231	335	307	275	161	102	10	-----
Employees' Comp. Com'n.....	-----	68	178	176	8,163	39	72	22	30
The Panama Canal.....	19,291	9,690	10,200	9,888	8,998	62	11	8,455	470
Pub Bldgs. and Pks, Nat Cap.....	217	2,274	3,193	3,069	(⁵)	-----	-----	-----	-----
General Accounting Office.....	-----	1,984	2,002	1,974	1,771	1,116	655	-----	-----
Veterans' Administration.....	-----	23,587	33,607	34,111	31,380	1,744	3,218	16,863	9,535
National Advisory Committee for Aeronautics.....	-----	164	315	309	308	20	21	246	21
Federal Reserve Board ⁵	(⁶)	204	202	208	272	117	118	37	-----
Board of Tax Appeals.....	-----	109	147	145	132	56	76	-----	-----
Federal Radio Com'n.....	-----	120	257	238	60	66	82	30	-----
Rec Finance Corp'n ⁵	-----	-----	1,948	3,234	776	703	1,144	611	-----
Farm Credit Administration.....	-----	-----	⁹ 351	2,276	1,022	954	3,742	1,834	-----
Federal Home Loan Bank Bd. ⁵	-----	-----	88	210	100	109	1	-----	-----
Fed. Emerg Relief Admn ⁵	-----	-----	-----	145	55	80	9	1	-----
Civil Works Administration ⁵	-----	-----	-----	206	100	96	10	-----	-----
Federal Surplus Relief Corp ⁵	-----	-----	-----	145	34	59	40	12	-----
Fed Coordinator of Transp ⁵	-----	-----	-----	135	65	44	21	5	-----
Tennessee Valley Authority ⁵	-----	-----	-----	3,431	34	70	3,186	141	-----
Fed Emer Adm Pub. Works ⁵	-----	-----	-----	2,759	942	695	831	291	-----
Nat'l Ind Recov Admn ⁵	-----	-----	-----	1,967	803	643	239	192	-----
National Labor Board.....	-----	-----	-----	69	36	33	-----	-----	-----
Home Owners Loan Corporation ⁵	-----	-----	-----	-----	6,968	243	275	3,449	3,001
Miscellaneous.....	192	405	376	354	374	168	70	123	13
In District of Columbia.....	38,442	59,569	69,435	66,302	75,450	-----	-----	-----	-----
Outside Dist of Columbia.....	398,615	486,772	536,933	497,801	516,225	-----	-----	-----	-----

¹ See note 3 regarding positions not included in 1932

² Includes 1,020 engaged on C O C work

³ Does not include clerks at fourth-class post offices and mail messengers and beginning 1932, also clerks at third-class post offices and postal contractors (35,710 in 1932) who were previously included

⁴ Administrative offices, formerly with Shipping Board

⁵ Positions not subject to Civil Service Act

⁶ Under Merchant Fleet Corporation and Department of Commerce.

⁷ Transferred to Interior Department

⁸ In "Miscellaneous."

⁹ Federal Farm Board for 1931 and Federal Farm Board and Regional Agricultural Credit Corporation for 1932, these and other agencies dealing with farm credits were consolidated as Farm Credit Administration.

Source of Tables 155 and 156 The Civil Service Commission.

CIVIL SERVICE

No. 157.—CIVIL SERVICE: NUMBER OF PERSONS EXAMINED BY THE CIVIL SERVICE COMMISSION, NUMBER AND PER CENT WHO PASSED, NUMBER APPOINTED, AND APPROXIMATE NUMBER OF COMPETITIVE POSITIONS

Year ended June 30—	Total			Post office service ¹				Railway Mail Service ²				All other services			
	Classified competitive positions ³	Examined	Passed	Per cent that passed	Ap- pointed	Classified competitive positions ³	Examined	Passed	Ap- pointed	Classified competitive positions ³	Examined	Passed	Ap- pointed	Classified competitive positions ³	Examined
1885	15,580	6,347	4,141	65.2	1,800	7,500	3,233	2,282	1,249	5,836	4,463	3,128	1,879	8,090	3,114
1886	30,626	22,964	13,947	60.7	5,182	13,697	11,193	6,994	2,850	8,846	4,461	3,128	3,914	11,698	7,338
1887	54,222	31,036	19,811	63.8	4,793	25,000	19,438	12,802	3,348	7,045	3,107	3,042	3,902	22,177	6,967
1888	94,863	46,602	34,965	75.0	9,889	37,000	16,384	11,447	3,831	8,086	4,488	3,042	19,674	25,530	6,967
1889	171,807	143,633	111,741	78.1	38,996	81,596	52,550	41,978	16,297	12,171	6,972	4,218	57,540	58,531	21,141
1890	222,878	185,644	137,769	75.9	43,585	126,131	87,263	30,170	11,812	16,956	52	219	65,560	78,339	29,502
1891	297,652	268,078	204,159	66.8	23,256	127,298	42,750	34,139	9,328	17,428	8,972	6,760	57,540	53,402	23,256
1892	317,392	268,078	204,159	66.8	20,969	115,905	40,268	26,133	8,706	18,297	11,273	3,036	50,082	53,402	23,256
1893	292,597	241,905	194,890	68.5	41,935	105,646	108,678	39,810	14,005	19,630	18,840	3,036	51,604	53,402	23,256
1894	232,460	215,587	147,626	68.4	41,935	105,646	108,678	39,810	14,005	19,630	18,840	3,036	51,604	53,402	23,256
1895	292,231	197,765	114,632	68.3	36,398	105,646	108,678	39,810	14,005	19,630	18,840	3,036	51,604	53,402	23,256
1896	326,826	154,722	113,980	73.7	42,037	105,646	108,678	39,810	14,005	19,630	18,840	3,036	51,604	53,402	23,256
1897	326,826	154,722	113,980	73.7	42,037	105,646	108,678	39,810	14,005	19,630	18,840	3,036	51,604	53,402	23,256
1898	642,432	551,391	387,963	70.4	213,533	188,201	56,268	41,433	29,649	20,833	9,930	6,489	251,904	148,293	148,293
1899	569,745	438,259	299,826	68.4	179,533	188,201	56,268	41,433	29,649	20,833	9,930	6,489	251,904	148,293	148,293
1900	497,603	393,327	193,905	67.1	116,309	106,449	58,922	39,687	17,181	21,717	12,866	7,871	146,667	94,859	94,859
1901	448,112	393,327	203,209	62.6	101,711	205,352	114,633	74,977	32,601	22,320	15,890	8,694	118,383	118,383	118,383
1902	420,688	206,007	128,952	60.2	87,867	200,533	70,120	43,984	25,186	22,082	23,642	12,866	75,274	118,383	118,383
1903	411,398	204,200	122,918	60.2	87,867	200,533	70,120	43,984	25,186	22,082	23,642	12,866	75,274	118,383	118,383
1904	415,568	222,915	133,566	58.9	88,287	222,276	77,862	42,373	27,237	22,073	25,510	10,969	69,962	119,436	119,436
1905	423,538	201,415	122,495	60.8	80,164	236,801	77,978	50,647	20,560	22,340	113	37	71,815	128,377	128,377
1906	422,300	202,846	105,954	52.2	38,916	230,021	88,835	45,591	16,561	22,340	20,481	15,717	70,815	128,377	128,377
1907	422,968	251,670	160,937	42.4	42,063	232,244	98,423	45,080	17,520	22,340	20,481	15,717	70,815	128,377	128,377
1908	431,763	256,997	123,830	52.2	40,317	238,449	100,476	49,279	15,720	22,340	20,481	15,717	70,815	128,377	128,377
1909	465,957	243,520	125,726	49.7	47,913	243,520	96,276	48,986	16,875	21,379	12	6	83,885	147,626	147,626
1910	462,693	267,420	132,691	49.7	41,075	250,525	80,115	39,665	13,560	21,443	10,645	3,895	89,431	176,669	176,669
1911	468,060	248,458	121,670	48.9	41,528	253,898	51,314	26,488	8,905	21,477	10	29	95,175	197,114	197,114
1912	467,161	267,109	89,717	34.8	25,080	261,857	32,428	16,076	16,076	23,144	3,006	1,891	73,612	194,579	194,579
1913	456,096	191,771	89,062	46.4	12,216	242,868	26,228	15,224	2,361	22,060	3,006	1,891	73,612	194,579	194,579
Total from July 16, 1883	7,037,414.4	424,350	62,911	885,566	2,240,181.1	450,101	579,577	248,882	62,463	4,455,492.2	765,367.1	223,526	223,526	4,455,492.2	765,367.1

¹ Includes clerks, city carriers, village carriers, and employees in motor-vehicle service at classified post offices, rural carriers, fourth-class postmasters, and seapost clerks.

² Railway mail clerks classified May 1, 1889.

³ The large increase in field service figures for 1913 is due to the inclusion of navy-yard artisans' positions to the number of about 16,000 in the competitive classified service.

⁴ 1,655 fourth-class postmasters, appointed in 1914 and 18,238 in 1915, under the Executive order of May 7, 1915, requiring examinations at offices whose incumbents had not been appointed under the regulations, are not included in this table.

Source: The Civil Service Commission.

No. 158.—POPULAR VOTE FOR PRESIDENTIAL ELECTORS: BY PRINCIPAL POLITICAL PARTIES, TOTALS, 1888 TO 1932, AND BY STATES, 1932

NOTE.—The column "miscellaneous independent" represents so-called independent, progressive, and farmer-labor parties variously designated as follows: 1888, Union Labor Party, 1892, 1900, and 1904, Populist; 1896, National Democrat, 1908, Populist and Independent; 1912 and 1916, Progressive, 1920, 1928, and 1932, Farmer-Labor. In 1924, column represents votes for La Follette-Wheeler electors, variously designated under party names as Independent Progressive, Progressive, Socialist, Socialist and Independent, Farmer-Labor, etc

State	Republican	Democrat	Socialist and Socialist-Labor	Miscellaneous independent ¹	Prohibition	Total ²
1888.....	5,444,337	5,540,050	-----	146,897	250,124	11,381,408
1892.....	5,190,802	5,554,414	-----	1,027,329	271,058	12,043,603
1896.....	7,035,638	6,467,946	36,454	131,529	141,676	13,813,243
1900.....	7,219,530	6,358,071	127,519	50,232	209,166	13,964,518
1904.....	7,628,834	5,084,491	436,184	114,753	259,257	13,523,519
1908.....	7,678,066	6,409,106	434,645	111,693	252,683	14,887,133
1912.....	3,453,622	6,256,214	926,090	4,126,020	208,623	15,031,169
1916.....	8,535,221	9,139,606	598,516	41,804	220,506	18,526,743
1920.....	16,152,200	9,147,353	950,974	265,411	189,408	26,705,346
1924.....	15,725,003	8,385,588	27,650	14,826,471	57,551	29,022,261
1928.....	21,392,190	15,016,443	259,023	6,390	20,106	36,879,414
1932.....	15,761,841	22,821,857	918,057	7,309	81,869	39,816,522
Alabama.....	34,675	207,910	2,030	-----	13	245,034
Arizona.....	36,104	79,264	2,618	-----	-----	118,251
Arkansas.....	28,467	189,602	1,269	-----	-----	220,562
California.....	847,902	1,324,157	63,299	-----	20,637	2,266,972
Colorado.....	189,617	250,877	14,018	469	1,928	457,696
Connecticut.....	288,420	281,632	22,767	-----	-----	594,207
Delaware.....	57,073	54,319	1,376	-----	-----	112,901
Florida.....	69,170	206,307	775	-----	-----	276,252
Georgia.....	19,863	234,118	461	-----	1,125	255,590
Idaho.....	71,312	109,479	526	-----	-----	186,520
Illinois.....	1,432,756	1,832,304	70,896	-----	6,388	3,407,926
Indiana.....	677,184	862,054	23,458	-----	10,899	1,576,927
Iowa.....	414,433	598,019	20,467	1,094	2,111	1,036,687
Kansas.....	349,498	424,204	18,276	-----	-----	791,978
Kentucky.....	394,716	580,574	5,249	-----	2,252	983,063
Louisiana.....	18,853	249,418	-----	-----	-----	268,804
Maine.....	166,631	128,907	2,744	-----	-----	298,444
Maryland.....	184,184	314,314	11,525	-----	-----	511,054
Massachusetts.....	736,959	800,148	36,973	-----	1,142	1,580,114
Michigan.....	739,894	871,700	40,606	-----	2,893	1,664,628
Minnesota.....	363,959	600,806	25,476	5,731	-----	1,002,843
Mississippi.....	5,180	140,168	686	-----	-----	146,034
Missouri.....	564,713	1,025,406	16,778	-----	2,429	1,609,894
Montana.....	73,078	127,286	7,891	-----	-----	216,479
Nebraska.....	201,177	359,082	9,876	-----	-----	570,135
Nevada.....	12,674	28,756	-----	-----	-----	570,135
New Hampshire.....	103,629	100,680	947	-----	-----	41,430
New Jersey.....	775,984	806,630	44,060	-----	774	1,630,063
New Mexico.....	54,217	95,089	1,776	-----	-----	1,151,606
New York.....	1,637,963	2,534,959	187,736	-----	-----	4,753,698
North Carolina.....	208,344	497,566	5,591	-----	-----	711,501
North Dakota.....	71,772	178,350	3,521	-----	-----	256,290
Ohio.....	1,227,679	1,301,695	66,062	-----	7,421	2,610,088
Oklahoma.....	188,165	516,468	-----	-----	-----	704,633
Oregon.....	136,019	213,871	17,180	-----	-----	368,751
Pennsylvania.....	1,453,540	1,295,948	91,778	-----	11,319	2,859,002
Rhode Island.....	115,266	146,604	3,571	-----	183	266,170
South Carolina.....	1,978	102,347	82	-----	-----	104,407
South Dakota.....	99,212	183,515	1,551	-----	463	288,438
Tennessee.....	126,806	259,817	1,786	-----	1,995	390,638
Texas.....	97,959	760,348	4,450	-----	-----	863,426
Utah.....	84,795	116,750	4,087	-----	-----	206,579
Vermont.....	75,984	55,266	1,535	-----	-----	136,986
Virginia.....	89,637	203,979	2,382	15	1,843	297,942
Washington.....	208,645	353,260	18,089	-----	1,540	614,814
West Virginia.....	330,731	405,124	5,133	-----	2,342	743,774
Wisconsin.....	347,741	707,410	53,873	-----	2,672	1,114,815
Wyoming.....	39,583	54,370	2,829	-----	-----	96,962

¹ See headnote

² Figures prior to 1928 do not include votes cast for names not appearing on the electoral tickets specified in the table. In 1928 and 1932 they represent the entire vote cast, including in 1928, 48,770 votes (35 States) cast for the Workers electors and 67,951 scattering, defective, blank, and void ballots, and in 1932, 63,425 votes (10 States) cast for the Liberty electors, 102,991 votes (39 States) cast for the Communist electors, and 69,173 scattering ballots

³ Democrat-Populist

⁴ Socialist-Labor only. In 1924 practically all the Socialist vote is included in votes in next column for La Follette and Wheeler, official candidates of the Socialist Party as well as the Independent Progressive.

⁵ Includes 659 Industrialist votes

Sources 1888-1920, reports of State officials on file in the Department of State; 1924, 1928, and 1932, data compiled by Clerk of the House of Representatives

No. 159.—ELECTORAL VOTE FOR PRESIDENT: BY PRINCIPAL POLITICAL PARTIES AND BY STATES, 1912 TO 1932

NOTE.—In 1924, the 13 electoral votes of Wisconsin were cast for La Follette and Wheeler, Independent Progressive candidates

State	1912			1916		1920		1924		1928		1932	
	Republican	Democratic	Progressive	Republican	Democratic	Republican	Democratic	Republican	Democratic	Republican	Democratic	Republican	Democratic
Total	8	435	88	254	277	404	127	382	136	444	87	59	472
Plurality		347			23	277		246		357			413
Alabama		12			12		12		12		12		11
Arizona		3			3		3		3		3		3
Arkansas		9			9		9		9		9		9
California		2	11		13		13		13		13		22
Colorado		6			6		6		6		6		6
Connecticut		7			7		7		7		7		
Delaware		3		3		3		3		3		3	
Florida		6			6		6		6		6		7
Georgia		14			14		14		14		14		12
Idaho		4			4		4		4		4		4
Illinois		29		29		29		29		29			29
Indiana		15		15		15		15		15			14
Iowa		13		13		13		13		13			11
Kansas		10			10		10		10		10		9
Kentucky		13			13		13		13		13		11
Louisiana		10			10		10		10		10		10
Maine		6		6		6		6		6		5	
Maryland		8			8		8		8		8		8
Massachusetts		18		18		18		18		18			17
Michigan			15	15		15		15		15			19
Minnesota			12	12		12		12		12			11
Mississippi		10			10		10		10		10		9
Missouri		18			18		18		18		18		15
Montana		4			4		4		4		4		4
Nebraska		8			8		8		8		8		7
Nevada		3			3		3		3		3		3
New Hampshire		4			4		4		4		4		
New Jersey		14		14		14		14		14		4	
New Mexico		3			3		3		3		3		16
New York		45		45		45		45		45			3
North Carolina		12			12		12		12		12		13
North Dakota		5			5		5		5		5		4
Ohio		24			24		24		24		24		26
Oklahoma		10			10		10		10		10		11
Oregon		5		5		5		5		5			5
Pennsylvania			38	38		38		38		38		36	
Rhode Island		5		5		5		5		5			4
South Carolina		9			9		9		9		9		8
South Dakota			5	5		5		5		5		9	
Tennessee		12			12		12		12		12		4
Texas		20			20		20		20		20		23
Utah	4				4		4		4		4		4
Vermont	4			4		4		4		4		3	
Virginia		12			12		12		12		12		11
Washington			7		7		7		7		7		8
West Virginia		8		7	1		8		8		8		8
Wisconsin		13		13		13		(1)	(1)		13		12
Wyoming		3			3		3		3		3		3

¹ See headnote.

Sources: 1912 to 1920, Journal of the Senate, Washington, D. C.; 1924, 1928, and 1932 data compiled by Clerk of the House of Representatives.

No. 160.—APPORTIONMENT OF CONGRESSIONAL REPRESENTATION

NOTE.—The ratio given at the head of each column indicates the number of inhabitants per Member of the House of Representatives according to the Constitution and the several apportionment acts. No apportionment under Census of 1920

State	Ratios under Constitution and censuses														
	Con- stitu- tion	1790	1800	1810	1820	1830	1840	1850	1860	1870	1880	1890	1900	1910	1930
	30,000	33,000	33,000	35,000	40,000	47,700	70,630	93,423	127,381	131,425	151,911	173,901	194,182	211,877	279,712
	Representation														
Total.....	65	106	142	186	213	242	232	237	243	293	332	357	391	435	495
Alabama.....				41	3	5	7	7	6	8	8	9	9	10	9
Arizona.....														81	1
Arkansas.....						41	1	2	3	4	5	6	7	7	7
California.....							42	2	3	4	6	7	8	11	20
Colorado.....										41	1	2	3	4	4
Connecticut.....	5	7	7	7	6	6	4	4	4	4	4	4	5	5	6
Delaware.....	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1
Florida.....							41	1	1	2	2	2	3	4	5
Georgia.....	3	2	4	6	7	9	8	8	7	9	10	11	11	12	10
Idaho.....											41	1	1	2	2
Illinois.....				41	1	3	7	9	14	19	20	22	25	27	27
Indiana.....				41	3	7	10	11	11	13	13	13	13	13	12
Iowa.....							42	2	6	9	11	11	11	11	9
Kansas.....									1	3	7	8	8	8	7
Kentucky.....		2	6	10	12	13	10	10	9	10	11	11	11	11	9
Louisiana.....				41	3	3	4	4	5	6	6	6	7	8	8
Maine.....				67	7	8	7	6	5	5	4	4	4	4	3
Maryland.....	6	8	9	9	9	8	6	6	5	6	6	6	6	6	6
Massachusetts.....	8	14	17	13	13	12	10	11	10	11	12	13	14	16	15
Michigan.....						41	3	4	6	9	11	12	12	13	17
Minnesota.....								42	2	3	5	7	9	10	9
Mississippi.....				41	1	2	4	5	5	6	7	7	8	8	7
Missouri.....					1	2	5	7	9	13	14	15	16	16	13
Montana.....											41	1	1	2	2
Nebraska.....									41	1	3	6	6	6	5
Nevada.....									41	1	1	1	1	1	1
New Hampshire.....	3	4	5	6	6	5	4	3	3	3	2	2	2	2	2
New Jersey.....	4	5	6	6	6	6	5	5	5	7	7	8	10	12	14
New Mexico.....														41	1
New York.....	6	10	17	27	34	40	34	33	31	33	34	34	37	43	45
North Carolina.....	5	10	12	13	13	13	9	8	7	8	9	9	10	10	11
North Dakota.....											41	1	2	3	2
Ohio.....			41	6	14	19	21	21	19	20	21	21	21	22	24
Oklahoma.....													45	8	9
Oregon.....								41	1	1	1	2	2	3	3
Pennsylvania.....	8	13	18	23	26	28	24	25	24	27	28	30	32	36	34
Rhode Island.....	1	2	2	2	2	2	2	2	2	2	2	2	2	3	2
South Carolina.....	5	6	8	9	9	9	7	6	4	5	7	7	7	7	6
South Dakota.....											42	2	2	3	2
Tennessee.....		41	3	6	9	13	11	10	8	10	10	10	10	10	9
Texas.....							42	2	4	6	11	13	16	18	21
Utah.....												41	1	2	2
Vermont.....		2	4	6	5	5	4	3	3	3	2	2	2	2	1
Virginia.....	10	19	22	23	22	21	15	13	11	9	10	10	10	10	9
Washington.....											41	2	3	5	6
West Virginia.....										3	4	4	5	6	6
Wisconsin.....							42	3	6	8	9	10	11	11	10
Wyoming.....											41	1	1	1	1

1 Membership increased from 233 to 234 by act of July 30, 1852. (10 Stat L 25)

2 Membership increased from 233 to 241 by act of Mar 4, 1862. (12 Stat L 353.)

3 Membership originally fixed at 283 but increased by act of May 30, 1872, to 292 (17 Stat. L 192.)

4 Assigned after apportionment

5 Included in apportionment act in anticipation of its becoming a State

6 Included in the 20 Members originally assigned to Massachusetts, but credited to Maine, after its admission as a State, Mar 15, 1820 (3 Stat L 555)

Source Reports of the Bureau of the Census, Department of Commerce

9. NATIONAL GOVERNMENT FINANCES

General note as to bases used in compiling statistics of receipts and expenditures of the United States Government—Four different bases are used in compiling both the receipts and expenditures of the Government. These bases, in the case of receipts, are the daily Treasury statements (unrevised and revised), warrants issued, and collections reported. The expenditures of the Government are published on the first three of these bases and also on the basis of checks issued. Figures in the daily Treasury statements (unrevised) which are on a current cash basis are compiled from the latest daily reports from the Treasury offices or public depositories. Owing to the distance of some of these offices and depositories from the Treasury, reports from them are somewhat delayed in reaching the Treasury, and consequently it is necessary to issue the unrevised Treasury statements before they are received. In order to show the actual receipts and expenditures for any month or year, it is necessary to take into account these delayed reports. The figures for actual transactions during a month or year which are calculated by the use of these reports are said to be on a basis of daily Treasury statements (revised). The unrevised figures are the basis of the Budget estimates submitted to Congress by the President.

It is provided by law that warrants shall be issued by the Secretary of the Treasury in acknowledgment of money received, and that warrants must be drawn by the Secretary of the Treasury for all disbursements of money. Some of these warrants for expenditures do not represent actual payments but are merely advances of credit to disbursing officers, who then issue checks in payment of Government obligations. Expenditures on the basis of warrants issued include unexpended balances to the credit of disbursing officers at the end of the year but do not include expenditures made during the year from unexpended balances of the preceding year.

Expenditures on the basis of checks issued (Table 167) represent most accurately the actual expenditures during any given year. They differ from expenditures shown by daily Treasury statements (revised), because they include checks outstanding at the end of the year and exclude unpaid checks at the beginning of the year.

All figures for receipts and expenditures include the figures of postal surpluses or deficiencies only and consequently leave out the gross figures of postal revenues and expenditures.

No. 161—RECEIPTS AND EXPENDITURES. BY MONTHS

NOTE—All figures in thousands of dollars. Figures are on the "current cash" basis shown by daily Treasury statements, unrevised, see general note above. Trust and contributed funds are included.

Year and month	Ordinary receipts					Expenditures			
	Total	Cus- toms	Income taxes	Miscel- laneous internal revenue	Miscel- laneous receipts	Total	General, excluding public debt retire- ments ¹	Public debt retire- ments	Emer- gency ¹
1932—January	107,748	27,181	20,494	39,833	20,241	232,927	232,919	8	-----
February	97,140	23,191	22,303	35,594	16,052	370,986	308,887	4	67,096
March	275,932	23,231	195,411	39,354	17,936	385,486	289,000	29	96,488
April	98,822	21,383	19,772	35,493	22,174	543,759	365,886	6	177,867
May	91,635	18,004	22,675	36,296	14,661	470,444	259,040	30,000	181,404
June	244,089	17,373	161,357	46,332	19,026	688,121	415,944	27,266	244,910
July	100,652	18,876	16,711	42,464	22,601	497,661	347,889	-----	149,772
August	111,133	24,116	15,416	54,534	17,016	372,767	257,084	-----	115,683
September	250,958	25,936	142,021	72,775	19,223	280,639	265,718	7	14,914
October	148,004	24,744	13,698	78,044	31,587	456,692	373,209	-----	83,483
November	124,507	24,051	14,712	66,629	19,115	282,980	246,159	-----	36,821
December	351,695	19,929	140,747	73,068	117,951	838,866	309,756	452,650	76,460
1933—January	134,044	18,352	15,629	69,703	30,380	359,509	245,740	2,045	111,724
February	121,312	16,443	24,475	64,376	16,018	360,341	213,086	5	147,250
March	283,186	17,444	180,712	67,214	17,815	439,475	282,868	-----	157,107
April	130,552	17,400	19,124	69,332	24,696	461,471	352,464	-----	109,007
May	167,152	20,516	16,436	93,519	36,682	462,547	263,157	6,896	192,493
June	306,162	22,943	146,594	106,506	30,119	693,675	411,351	1	82,323
Fiscal year 1933, total	2,238,356	250,750	746,206	858,218	383,182	5,306,623	3,567,980	461,605	1,277,038
1933—July	179,011	25,081	12,903	113,266	27,760	278,503	203,146	4	75,353
August	197,533	32,690	14,484	135,347	15,013	330,577	181,926	-----	138,651
September	333,252	33,793	135,783	145,916	17,759	339,452	258,327	-----	81,125
October	272,747	31,938	9,888	195,383	35,537	508,642	404,458	-----	104,184
November	219,493	26,565	18,964	126,988	46,976	510,375	211,673	5,187	293,514
December	341,776	24,994	133,330	158,427	25,025	725,086	239,630	22,458	462,999
1934—January	229,118	26,306	10,136	162,676	29,999	597,022	164,819	24,695	808,008
February	3,024,210	23,275	22,719	148,652	2,829,565	643,965	196,641	-----	447,324
March	3,434,555	23,122	232,007	166,860	3,12,566	623,592	173,779	5	449,809
April	3,199,278	23,792	15,165	136,983	3,23,338	2,983,939	314,315	300,001	369,623
May	2,446,801	21,041	24,561	162,257	3,38,941	683,226	205,365	7,420	350,441
June	2,411,337	20,837	188,021	169,886	3,32,593	749,347	326,146	96	423,106
Fiscal year 1934, total	26,089,110	313,434	817,961	1,822,642	3,135,072	49,243,726	2,879,726	359,864	4,004,136

¹ Emergency expenditures (except Reconstruction Finance Corporation) were not shown separately prior to the fiscal year 1934 and are included in general expenditures.

² Includes processing tax on farm products. This amounted to \$353,049,000 for the fiscal year 1934.

³ Includes increment resulting from reduction in weight of gold dollar as follows: \$2,808,221,000 for February, \$2,233,000 for March, \$409,000 for April, \$299,000 for May, \$213,000 for June, and \$2,511,376,000 for the entire fiscal year 1934.

⁴ Total includes \$2,000,000,000 exchange stabilization fund chargeable against increment on gold.

Source: Treasury Department.

No. 162.—RECEIPTS AND EXPENDITURES OF THE GOVERNMENT

NOTE.—In thousands of dollars. Figures prior to 1916 are on the basis of warrants issued (net), thereafter, on the basis of daily Treasury statements (unrevised) See general note, p. 153

Yearly average or year ended June 30—	Ordinary receipts	Expenditures chargeable against ordinary receipts		Surplus (+) or deficit (—)	Public-debt receipts, proceeds of bonds, and other securities ¹	Public-debt retirements chargeable against public-debt receipts and surplus revenues ¹	Postal revenues, excluding surplus postal receipts covered into the Treasury ²	Postal expenditures, excluding postal deficiencies ²
		Ordinary expenditures	Public-debt retirements					
1789-1800 ³	5,717	5,776	—	-59	2,304	2,023	117	108
1801-1810 ⁴	13,055	9,086	—	+3,969	1,295	4,261	403	390
1811-1820 ⁴	21,032	23,942	—	-2,910	11,065	8,325	862	823
1821-1830 ⁴	21,923	16,161	—	+5,762	1,500	6,730	1,400	1,415
1831-1840 ⁴	30,460	24,494	—	+5,966	5,216	5,932	3,347	3,272
1841-1850 ⁵	28,545	34,097	—	-5,553	13,220	7,118	4,622	4,589
1851-1860	60,237	60,162	—	+75	7,306	7,698	6,798	6,947
1861-1865	160,907	683,785	—	-522,878	776,719	254,381	10,961	10,357
1866-1870	447,300	377,642	—	+69,658	330,503	377,607	16,422	17,443
1871-1875	336,830	287,459	—	+49,370	89,352	148,818	23,642	23,661
1876-1880	288,124	255,598	—	+32,526	227,036	238,662	29,762	29,253
1881-1885	366,961	257,691	—	+109,270	61,348	167,671	42,011	42,466
1886-1890	375,448	279,134	—	+96,314	35	94,672	52,508	52,120
1889	387,050	299,289	—	+87,761	24	121,289	56,176	58,476
1890	403,081	318,041	—	+85,040	22	104,664	60,582	59,408
1891	392,612	365,774	—	+26,839	14	101,003	65,932	68,341
1892	354,938	345,023	—	+9,914	15	24,348	70,930	72,990
1893	385,820	383,478	—	+2,342	23	710	75,897	75,667
1894	306,355	367,525	—	-61,170	50,014	256	75,080	76,808
1895	324,729	356,195	—	-31,466	81,165	2,495	76,983	76,197
1896	338,142	352,179	—	-14,037	131,169	7,294	82,499	81,643
1897	347,722	368,774	—	-18,052	3	11,379	82,665	82,948
1898	405,321	442,389	—	-38,047	6	29,942	89,013	87,563
1899	515,961	605,072	—	-89,112	199,201	14,622	95,021	93,440
1900	567,241	520,861	—	+46,380	118	22,790	102,355	100,534
1901	587,685	524,617	—	+63,068	4	32,113	111,631	110,653
1902	562,478	485,234	—	+77,244	2	56,294	121,848	122,407
1903	561,881	517,006	—	+44,875	2	16,609	134,224	136,043
1904	541,087	583,660	—	-42,573	3	18,623	148,583	145,893
1905	544,275	567,279	—	-23,004	3	605	152,827	152,355
1906	594,984	570,202	—	+24,782	2	245	167,933	165,802
1907	665,860	579,129	—	+86,732	30,005	30,373	183,585	182,648
1908	601,862	659,196	—	-57,334	40,068	34,357	191,479	195,501
1909	604,320	693,744	—	-89,423	30,000	15,435	203,562	201,541
1910	675,512	693,617	—	-18,105	—	761	224,129	221,515
1911	701,833	691,202	—	+10,631	17,642	246	237,880	237,661
1912	692,609	689,881	—	+2,728	32,818	121	246,744	246,961
1913	724,111	724,612	—	-401	1,930	103	266,020	261,082
1914	734,673	735,081	—	-408	3,119	109	284,135	283,558
1915	697,911	760,597	—	-62,676	934	283	283,748	291,945
1916	752,535	734,056	—	+18,478	1,804	36	312,058	300,728
1917	1,124,325	1,977,682	—	-853,357	2,309,408	630,065	324,626	319,890
1918	3,664,583	12,696,702	1,134	-9,033,254	16,684,031	7,191,930	295,845	322,628
1919	5,152,257	18,514,880	8,015	-13,370,638	29,333,159	16,294,773	274,941	362,161
1920	6,694,565	6,403,344	78,746	+212,475	15,835,737	16,935,869	431,937	418,607
1921	5,624,933	5,115,928	422,282	+508,724	8,824,908	8,722,285	463,491	489,506
1922	4,109,104	3,372,608	422,695	+736,496	5,909,974	6,501,280	484,772	481,316
1923	4,007,135	3,294,628	402,850	+712,507	7,259,576	7,486,533	532,828	524,366
1924	4,012,045	3,048,678	458,000	+963,367	2,179,002	2,815,266	572,949	574,774
1925	3,780,149	3,063,105	466,538	+717,044	3,047,368	3,351,827	599,591	616,120
1926	3,962,756	3,097,612	487,376	+865,144	2,986,137	3,339,655	659,820	640,286
1927	4,129,394	2,974,030	519,555	+1,155,364	5,157,256	5,768,778	683,122	687,365
1928	4,042,348	3,103,265	540,285	+939,083	6,830,218	7,195,011	693,634	693,675
1929	4,033,250	3,298,559	549,604	+734,691	5,169,698	5,293,489	696,048	687,709
1930	4,177,942	3,460,269	553,884	+717,673	3,685,466	3,877,696	705,454	711,986
1931	3,317,332	3,779,868	440,082	-462,536	6,547,754	5,489,018	656,643	656,886
1932	2,121,228	4,861,696	412,630	-2,740,468	9,561,159	6,498,621	588,172	590,846
1933	2,238,356	74,845,018	461,605	-73,606,267	9,603,199	6,139,422	587,631	582,626

¹ Exclusive of the deposits made by banks to retire national bank and Federal reserve bank notes and of payments made from this fund to retire such notes, these are in the nature of fiduciary transactions. Both columns include redemption-exchange transactions

² Based on reports of the Post Office Department. Expenditures include adjusted losses, etc., postal funds, and expenditures from postal balances, they exclude departmental expenditures in Washington, D. C., to the close of the fiscal year 1922, and amounts transferred to the civil-service retirement and disability fund, fiscal years, 1921 to 1926, in 1927 to 1933 the 3½ per cent salary deductions are included.

³ Average for period Mar 4, 1789, to Dec 31, 1800

⁴ Years ended Dec 31

⁵ Averages are for entire 10-year period though there were no receipts or retirements certain years

⁶ Average for period Jan 1, 1841, to June 30, 1850

⁷ Revised to include net payments of \$267,735,000 in 1932 and \$1,277,038,000 in 1933 from credits established through purchase of obligations of Reconstruction Finance Corporation

Source: Annual Report of the Secretary of the Treasury.

No. 163.—ORDINARY RECEIPTS OF THE GOVERNMENT: By MAJOR SOURCES

NOTE.—In thousands of dollars. Figures prior to 1916 and thereafter figures for sales of public lands only are on the basis of warrants issued (net), beginning 1916, figures other than for sales of public lands are on the basis of daily Treasury statements (unrevised). See general note, p 158

Yearly average or year ended June 30—	Total ordinary receipts	Customs ¹	Internal revenue		Sales of public lands	Surplus postal receipts	Miscella- neous receipts
			Income and profits tax	Miscella- neous			
1789-1800 ² -----	5, 717	5, 020	-----	\$ 375	\$ 9	\$ 30	283
1801-1810 ⁴ -----	13, 055	12, 046	-----	201	456	\$ 22	329
1811-1820 ⁴ -----	21, 032	16, 383	-----	1, 844	1, 623	50	1, 429
1821-1830 ⁴ -----	21, 923	19, 852	-----	31	1, 358	(5)	649
1831-1840 ⁴ -----	30, 460	20, 470	-----	7, 452	2, 085	(5)	2, 533
1841-1850 ⁶ -----	28, 545	25, 049	-----	81	4, 582	-----	809
1851-1860-----	60, 237	54, 498	-----	7 28, 006	5, 555	-----	1, 156
1861-1865-----	160, 907	68, 988	7 28, 006	\$ 27, 283	2, 109	-----	19, 994
1866-1870-----	447, 300	178, 903	50, 603	171, 315	2, 223	-----	44, 368
1871-1875-----	336, 830	186, 200	7, 760	112, 217	1, 025	-----	28, 429
1876-1880-----	288, 124	146, 594	(5)	116, 697	6, 086	-----	23, 808
1881-1885-----	366, 961	201, 963	\$ 29	132, 102	8, 097	-----	26, 799
1886-1890-----	375, 448	216, 557	-----	126, 683	-----	-----	24, 111
1889-----	387, 050	223, 833	-----	130, 882	8, 039	-----	24, 297
1890-----	403, 081	229, 669	-----	142, 607	6, 358	-----	24, 447
1891-----	392, 612	219, 522	-----	145, 687	4, 080	-----	23, 374
1892-----	354, 938	177, 453	-----	153, 971	3, 262	-----	20, 252
1893-----	385, 820	203, 355	-----	161, 028	3, 182	-----	18, 255
1894-----	306, 355	131, 819	-----	147, 111	1, 674	-----	25, 752
1895-----	324, 729	152, 169	77	143, 845	1, 103	-----	28, 046
1896-----	338, 142	160, 022	-----	146, 763	1, 006	-----	30, 352
1897-----	347, 722	176, 554	-----	146, 689	865	-----	23, 614
1898-----	405, 321	149, 575	-----	170, 901	1, 243	-----	83, 603
1899-----	515, 961	206, 128	-----	273, 437	1, 678	-----	34, 717
1900-----	567, 241	233, 165	-----	295, 328	2, 837	-----	35, 911
1901-----	587, 685	238, 585	-----	307, 181	2, 965	-----	38, 954
1902-----	562, 478	254, 445	-----	271, 880	4, 144	-----	32, 009
1903-----	561, 881	284, 480	-----	230, 810	8, 926	-----	37, 665
1904-----	541, 087	261, 275	-----	232, 904	7, 453	-----	39, 455
1905-----	544, 275	261, 799	-----	234, 096	4, 859	-----	43, 521
1906-----	594, 984	300, 252	-----	249, 150	4, 880	-----	40, 703
1907-----	665, 860	332, 233	-----	269, 667	7, 879	-----	56, 081
1908-----	601, 862	286, 113	-----	251, 711	9, 732	-----	54, 306
1909-----	604, 320	300, 712	-----	246, 213	7, 701	-----	49, 695
1910-----	675, 612	333, 683	20, 952	268, 982	6, 356	-----	45, 639
1911-----	701, 833	314, 497	33, 517	289, 012	5, 732	-----	59, 075
1912-----	692, 609	311, 322	28, 583	293, 029	5, 393	-----	54, 283
1913-----	724, 111	318, 891	35, 006	309, 411	2, 910	-----	57, 893
1914-----	734, 678	292, 320	71, 381	308, 660	2, 572	3, 800	55, 940
1915-----	697, 911	209, 787	80, 202	335, 468	2, 167	3, 500	66, 787
1916-----	782, 635	213, 186	124, 937	387, 765	1, 888	-----	54, 759
1917-----	1, 124, 325	225, 962	350, 681	449, 685	1, 893	5, 200	81, 993
1918-----	3, 664, 583	179, 098	2, 314, 006	872, 028	1, 969	48, 681	247, 950
1919-----	5, 152, 257	184, 458	3, 018, 784	1, 296, 501	1, 405	89, 906	561, 204
1920-----	6, 094, 565	322, 903	3, 944, 949	1, 460, 082	1, 910	5, 213	959, 508
1921-----	5, 024, 933	308, 564	3, 206, 046	1, 390, 380	1, 530	-----	718, 412
1922-----	4, 109, 104	356, 443	2, 068, 128	1, 145, 125	895	81	538, 431
1923-----	4, 007, 135	561, 929	1, 678, 607	945, 865	657	-----	820, 077
1924-----	4, 012, 045	545, 638	1, 842, 144	953, 013	522	-----	670, 728
1925-----	3, 780, 149	547, 561	1, 760, 538	828, 638	624	-----	642, 788
1926-----	3, 962, 756	579, 430	1, 982, 040	855, 599	754	-----	544, 932
1927-----	4, 129, 394	605, 500	2, 224, 993	644, 422	621	-----	653, 859
1928-----	4, 042, 848	568, 986	2, 173, 953	621, 019	385	-----	678, 006
1929-----	4, 033, 250	602, 263	2, 330, 712	607, 308	315	-----	492, 633
1930-----	4, 177, 942	587, 001	2, 410, 987	628, 308	396	-----	551, 260
1931-----	3, 317, 233	378, 354	1, 860, 394	569, 387	230	-----	508, 868
1932-----	2, 121, 228	327, 755	1, 057, 336	503, 670	170	-----	232, 296
1933-----	2, 238, 356	250, 750	746, 206	858, 218	103	-----	383, 079

¹ Includes tonnage tax prior to 1932. Beginning 1932, tonnage tax has been covered into the Treasury as miscellaneous receipts

² Average for period Mar 4, 1789, to Dec 31, 1800

³ Averages are for entire period though there were no receipts under these items certain years.

⁴ Years ended Dec 31

⁵ Less than \$500

⁶ Average for period Jan 1, 1841, to June 30, 1850

⁷ Average for 1863 to 1865

⁸ Average for 1881 and 1884

Source Annual Report of the Secretary of the Treasury.

No 164.—ORDINARY EXPENDITURES OF THE GOVERNMENT: BY MAJOR CLASSES

NOTE.—In thousands of dollars Figures prior to 1916 are on basis of warrants issued (net), thereafter on the basis of daily Treasury statements (unreversed) except as noted See general note, p 158

Yearly average or year ended June 30—	Total ordinary expenditures	Civil and miscellaneous ¹	War Department ¹	Navy Department ¹	Indians ²	Pensions ^{2,3}	U S Veterans' Bureau ^{2,4}	Postal deficiencies ^{2,5}	Interest on the public debt
1789-1800 ⁶	5,776	829	1,464	7,745	27	82			2,629
1801-1810 ⁶	9,086	1,870	1,632	1,636	164	78			3,703
1811-1820 ⁶	23,942	2,589	10,742	4,675	317	741			4,877
1821-1830 ⁶	16,161	3,144	3,918	3,295	599	1,247			3,956
1831-1840 ⁶	24,494	5,616	8,321	5,041	2,612	2,572			7,331
1841-1850 ⁶	34,097	7,844	13,491	7,619	1,458	1,790			1,701
1851-1860 ⁶	60,162	21,233	15,784	11,998	3,266	1,531			2,776
1861-1865 ⁶	683,785	25,894	547,775	65,329	3,208	4,858			34,600
1866-1870 ⁶	377,042	55,015	127,812	38,324	4,488	23,428			111,589
1871-1875 ⁶	287,459	69,152	40,186	23,328	7,504	30,166			100,191
1876-1880 ⁶	253,598	56,819	37,170	15,990	5,405	35,051			63,742
1881-1885 ⁶	257,691	68,256	43,010	15,863	7,328	57,790			44,027
1886-1890 ⁶	279,134	82,365	40,085	17,872	6,429	82,657			41,001
1889 ⁶	299,289	94,088	44,435	21,379	6,892	87,625			36,099
1890 ⁶	318,041	94,832	44,583	22,006	6,708	106,937			4,742
1891 ⁶	365,774	115,708	48,720	26,114	8,527	124,416			23,787
1892 ⁶	345,023	95,790	46,895	29,174	11,151	134,583			27,264
1893 ⁶	383,478	97,786	49,642	30,136	13,345	159,358			27,841
1894 ⁶	367,525	93,694	54,568	31,701	10,203	141,177			9,300
1895 ⁶	356,195	82,263	51,805	28,798	9,940	141,395			11,149
1896 ⁶	352,179	77,916	50,831	27,143	12,166	139,434			37,791
1897 ⁶	365,774	79,252	48,950	34,562	13,017	141,053			10,504
1898 ⁶	443,369	91,992	58,824	41,992	10,995	147,452			8,212
1899 ⁶	605,072	110,980	63,942	63,942	12,806	139,395			7,231
1900 ⁶	520,861	131,689	134,775	55,953	10,175	110,877			4,955
1901 ⁶	524,617	131,977	144,616	60,507	10,896	139,324			2,402
1902 ⁶	485,234	125,111	112,272	67,803	10,050	138,489			2,769
1903 ⁶	517,006	133,073	118,630	82,618	12,935	138,426			6,503
1904 ⁶	583,660	131,357	165,200	102,956	10,438	142,559			15,065
1905 ⁶	567,279	127,968	126,094	117,550	14,236	141,774			12,673
1906 ⁶	570,202	131,639	137,326	110,474	12,747	141,035			7,629
1907 ⁶	579,129	145,642	149,775	97,128	15,164	180,310			12,888
1908 ⁶	659,196	162,532	175,840	118,037	14,580	153,892			19,501
1909 ⁶	693,744	167,001	192,487	115,546	15,695	161,710			8,496
1910 ⁶	693,617	171,581	189,823	123,174	13,504	160,696			21,311
1911 ⁶	691,202	173,839	197,199	119,938	20,934	157,981			22,616
1912 ⁶	689,891	172,257	184,123	135,592	20,135	153,590			1,027
1913 ⁶	724,512	169,302	202,129	133,263	20,306	175,085			6,637
1914 ⁶	735,081	170,630	208,350	139,682	20,215	173,440			5,500
1915 ⁶	760,587	200,633	202,160	141,836	22,130	164,388			22,901
1916 ⁶	734,056	191,753	183,176	153,854	17,570	159,302			24,743
1917 ⁶	1,977,682	1,141,123	377,941	239,633	30,596	160,318	3,326		189,743
1918 ⁶	12,696,702	6,075,053	4,869,955	1,278,840	30,888	181,138	68,863	2,221	619,216
1919 ⁶	18,514,880	6,523,641	9,009,076	2,002,311	34,593	221,615	104,085	344	1,020,252
1920 ⁶	6,403,344	2,663,412	1,621,963	736,021	40,517	213,344	107,730	115	999,145
1921 ⁶	5,115,928	1,559,115	1,118,076	650,374	41,471	260,611	357,007	130,128	991,001
1922 ⁶	3,372,608	625,654	457,756	476,775	38,500	252,577	464,998	64,346	1,055,924
1923 ⁶	3,294,628	678,243	397,051	333,201	45,143	264,148	488,391	32,527	940,603
1924 ⁶	3,048,678	691,624	357,017	332,249	46,754	228,262	439,531	12,639	881,807
1925 ⁶	3,063,105	667,715	370,981	346,142	38,755	218,321	516,167	23,217	831,938
1926 ⁶	3,097,612	730,569	364,090	312,743	48,442	207,190	503,134	39,506	787,020
1927 ⁶	2,974,030	650,371	369,114	318,990	36,792	230,550	554,005	32,080	673,830
1928 ⁶	3,103,265	765,859	400,960	331,335	36,991	229,401	574,844	94,700	650,348
1929 ⁶	3,298,859	890,240	425,947	364,562	34,087	229,781	581,213	145,644	599,277
1930 ⁶	3,440,269	994,774	464,854	374,166	32,067	220,609	602,738	117,380	689,365
1931 ⁶	3,779,868	1,130,346	487,718	354,071	37,489	10,013,041			
1932 ⁶	114,861,696	112,137,111	478,889	357,821	32,608	10,053,114			
1933 ⁶	114,845,018	112,265,878	450,766	349,732	27,225	10,944,672			

¹ Up to 1915, inclusive, civil expenditures under War and Navy Departments at Washington are included under the column, Civil and Miscellaneous, thereafter, under War and Navy Departments, respectively War Department expenditures include those for rivers and harbors and the Panama Canal.² Figures for Indians and Pensions, all years, for U S Veterans' Bureau prior to 1923, and for Postal deficiencies prior to 1922, are on the basis of warrants issued.³ Includes only Army and Navy pensions for service prior to World War and fees of examining surgeons Does not include salaries under Bureau of Pensions or payments to veterans of the World War made by the War Risk Insurance Bureau and Veterans' Bureau.⁴ For 1917 to 1921, expenditures by Bureau of War Risk Insurance and for vocational rehabilitation All figures include operations in Government life insurance trust funds and adjusted-service certificate fund⁵ Exclusive of amounts transferred to the civil-service retirement and disability fund⁶ Average for period Mar 4, 1789, to Dec 31, 1800⁷ Averages are for entire period, though there were no expenditures in certain years.⁸ Years ended Dec 31⁹ Average for period Jan 1, 1841, to June 30, 1850¹⁰ Expenditures of the Veterans' Administration, excluding expenditures from the civil service and Canal Zone retirement funds Army and Navy pensions and fees of examining surgeons amounted to \$233,824,000 in 1931, \$232,237,000 in 1932, and \$234,982,000 in 1933¹¹ See note 7, table 162

Source Annual Report of the Secretary of the Treasury

No. 165.—EXPENDITURES OF THE GOVERNMENT CHARGEABLE AGAINST

NOTE.—All figures in thousands of dollars. Figures are on the basis of daily Treasury statements, unbursement of appropriations, gross expenditures in the case of some agencies, notably the War Department

	1919	1920	1921	1922	1923
General expenditures, total ¹-----	11, 747, 271	3, 231, 652	3, 079, 884	2, 135, 868	1, 950, 041
Legislative establishment ² -----	17, 090	19, 328	18, 983	17, 088	14, 165
Executive proper ^{2, 3} -----	17, 467	6, 676	210	219	349
State Department-----	20, 766	13, 586	8, 781	9, 667	15, 463
Treasury Department ^{4, 5} -----	227, 278	322, 316	488, 637	209, 105	145, 017
War Department-----	8, 995, 880	1, 610, 587	1, 101, 615	454, 731	392, 734
Department of Justice-----	15, 717	17, 814	17, 206	17, 889	23, 521
Post Office Department ⁶ -----	2, 412	50, 049	7 135, 359	3, 384	147
Navy Department-----	2, 002, 311	736, 021	650, 374	476, 775	333, 201
Interior Department ¹⁰ -----	288, 286	279, 245	357, 815	331, 814	354, 623
Department of Agriculture-----	39, 246	65, 546	119, 838	142, 696	129, 746
Department of Commerce-----	15, 590	30, 011	30, 826	21, 688	21, 784
Department of Labor-----	12, 943	5, 415	8, 503	6, 227	7, 241
Veterans' Administration ⁷ -----	75, 378	59, 469	119, 943	43, 872	28, 712
Other independent offices and com'ns. ^{2, 4} -----	16, 014	19, 988	22, 715	23, 732	24, 054
District of Columbia ¹¹ -----	+895	-4, 400	-923	-232	-1, 436
Unclassified items-----					
Interest on public debt-----	619, 216	1, 020, 252	999, 145	991, 001	1, 055, 924
Other special expenditures-----					
Refunds of receipts-----					
Customs ⁸ -----				37, 124	28, 737
Internal revenue ⁹ -----				45, 702	125, 279
Postal deficiency ⁴ -----				64, 346	32, 527
Panama Canal-----	13, 196	11, 366	16, 461	3, 025	4, 317
Railroads-----	358, 795	151, 036, 672	7 730, 712	16 139, 469	114, 145
War Finance Corporation-----	302, 622	17 228, 472	8 22, 028	94, 428	8 109, 438
Shipping Board-----	1, 820, 607	530, 566	130, 723	87, 206	57, 024
Agricultural marketing fund (net)-----				1, 826	8 1, 866
Alien property funds ⁸ -----				18 32, 000	
Grain Corporation-----		18 350, 328	18 90, 353	18 32, 000	
Food and Fuel Administrations-----	87, 338				
Sugar Equalization Board-----				8 16, 280	2, 482
Purchase of obligations of foreign gov'ts-----	3, 479, 255	421, 347	73, 897	718	
Purchase of Federal farm loan bonds-----	80, 580	29, 044	16, 781		
Subscription to stock, Federal land banks-----					
Farm Credit Administration-----					
Distribution of wheat and cotton for relief-----					
Reconstruction Finance Corporation ¹² -----					
Adjusted service certificate fund-----					
Government life insurance fund ⁵ -----				24, 599	26, 672
Civil service retirement fund ¹⁰ -----				9, 283	8, 091
D C teachers' retirement fund ¹⁴ -----				231	191
Foreign Service retirement fund-----					
Canal Zone retirement fund-----					
General railroad contingent fund-----					
Total ordinary-----	18, 514, 880	6, 403, 344	5, 115, 928	3, 372, 808	3, 294, 628
Public debt retirements (chargeable against ordinary receipts) from-----					
Sinking fund-----			261, 100	276, 046	284, 019
Debt repayments from foreign countries, including U S bonds-----	7, 922	72, 670	73, 939	64, 838	100, 893
Estate taxes-----	93	3, 141	26, 349	21, 085	6, 569
Franchise taxes, Federal reserve and Federal intermediate credit banks-----		2, 922	60, 725	60, 333	10, 815
Forfeitures, gifts, etc-----		13	169	393	555
Total-----	8, 015	78, 746	422, 282	422, 695	402, 850
Total expenditures chargeable against ordinary receipts-----	18, 522, 895	6, 482, 090	5, 538, 209	3, 795, 503	3, 697, 478

¹ Totals prior to 1922 are not comparable with later years because of changes in classification of general expenditures

² In the fiscal years 1921, 1922, and 1923, material changes were made in classification of expenditures between legislative establishment, executive proper, and other independent offices and commissions

³ Alien property funds included under executive proper prior to fiscal year 1922

⁴ Payments for veterans' relief made prior to Aug 11, 1921, by the War Risk Insurance Bureau are included under Treasury Department, and by the Federal Board for Vocational Education, under other independent offices and commissions Figures shown under Veterans' Administration represent Veterans' Bureau for 1922 to 1930 In 1931, Veterans' Bureau, Bureau of Pensions, and Bureau of National Homes were consolidated into one establishment

⁵ Refunds of customs and internal revenue receipts and investments of Government life insurance fund included under Treasury Department and postal deficiency under Post Office Department prior to 1922

⁶ Bureau of Prohibition transferred from Treasury Department to Department of Justice on July 1, 1930

⁷ Post Office Department expenditures for 1921 include \$65,576,000 paid to the Railroad Administration This resulted in a corresponding decrease in expenditures for Federal control of transportation

⁸ Deduct, excess of credits

⁹ Post Office Department expenditures include \$42,997,000 and postal deficiency, \$9,000,000, representing payment of so-called back railway mail pay to inland carriers

¹⁰ Civil service retirement fund, established May, 1920, included under Interior Department prior to 1922

¹¹ Patent Office and Bureau of Mines transferred from Interior Department to Commerce Department under executive orders of Mar. 17, 1925, and June 4, 1925, respectively

ORDINARY RECEIPTS · BY MAJOR CLASSIFICATIONS, YEARS ENDED JUNE 30

vised, see general note p. 158. Because of legislation establishing revolving funds and providing for re-
ment, Railroad Administration, and Shipping Board, have been considerably larger than here stated

1924	1925	1926	1927	1928	1929	1930	1931	1932	1933
1,828,468	1,837,004	1,826,727	1,857,859	1,953,327	2,106,503	2,182,709	2,390,477	2,601,379	2,402,294
14,816	13,856	15,776	19,678	16,402	17,547	19,987	23,979	27,318	21,477
451	412	439	612	589	487	690	507	424	369
14,669	15,054	16,521	16,498	11,607	13,285	14,170	15,688	19,262	15,310
137,411	128,232	136,579	151,560	195,649	200,447	193,114	204,569	287,744	266,906
348,630	361,888	355,072	360,809	390,541	416,902	453,525	478,419	468,227	438,094
21,134	23,496	23,774	24,819	27,600	28,892	32,483	44,333	52,330	44,994
187	⁸ 80	96	189	277	⁹ 43,091	58	82	126	58
332,249	346,142	312,743	318,909	331,335	364,562	374,166	354,071	357,821	349,732
328,228	302,441	¹¹ 301,759	302,707	299,000	301,123	290,028	¹² 71,500	91,363	79,363
141,116	164,044	155,350	156,287	159,915	171,147	177,581	296,886	318,976	250,981
21,430	25,793	¹¹ 29,132	30,940	34,353	39,987	54,299	61,477	52,700	45,967
6,620	9,678	⁸ 5,545	9,922	11,311	10,654	12,183	14,702	13,593	13,593
¹³ 409,121	¹³ 384,716	404,692	391,470	401,325	417,280	446,956	729,199	807,765	788,918
28,262	27,063	32,069	35,443	35,681	40,309	49,496	49,969	53,917	45,484
25,873	32,713	34,411	37,567	39,400	40,117	45,080	47,798	48,423	41,832
-1,234	+347	-233	+449	-199	+18	+423	-162	+251	-784
940,603	881,807	831,938	787,020	731,764	678,330	659,348	611,560	599,277	669,365
20,567	22,921	27,745	20,321	21,857	21,826	24,092	21,369	17,203	12,577
127,220	147,777	182,220	117,412	148,286	190,728	133,852	69,888	83,922	57,763
12,639	23,217	39,506	27,263	32,080	⁹ 94,700	91,714	145,644	202,876	117,380
8,387	9,093	9,018	8,305	10,449	9,046	11,329	9,299	10,662	12,673
35,742	7,205	2,726	1,043	⁸ 620	⁸ 1,858	⁸ 4,796	⁸ 246	⁸ 1,644	⁸ 732
⁸ 52,440	⁸ 12,902	⁸ 19,691	⁸ 27,066	⁸ 5,813	⁸ 611	⁸ 69	172	⁸ 12	⁸ 9
85,491	30,305	23,043	19,011	34,882	15,889	31,695	33,962	51,541	28,519
⁸ 1,151	4,018	3,516	⁸ 496	⁸ 551	⁸ 1,345	149,958	190,541	136,239	⁸ 8,265
						969	1,186	221	⁸ 71
								125,000	⁸ 245
									⁸ 1,462
									34,241
								767,735	1,277,038
	99,459	120,152	115,219	111,818	111,773	112,313	224,216	193,984	²⁰ 109,420
80,410	31,992	38,290	47,316	61,702	52,160	43,469	59,626	51,385	46,334
8,028	9,746	10,816	⁸ 425	109	19,955	20,434	20,304	20,860	²⁰ 60,917
233	9,258	297	290	514	503	517	871	602	548
	83	100	87	81	282	313	337	205	²⁰ 674
4,584	1,124	1,209	871	1,180	978	2,412	962	⁸ 26	²⁰ 559
								308	508
3,048,678	3,063,105	3,097,612	2,974,030	3,103,265	3,298,859	3,440,269	3,779,868	3,861,696	3,845,018
295,987	306,308	317,092	333,528	354,741	370,277	388,369	391,660	412,555	425,660
149,388	159,180	169,654	179,216	181,804	176,214	160,926	48,246		33,887
8,897	48			2	20	73		1	
3,635	794	568	1,232	618	2,933	4,455	91	21	2,037
93	208	63	5,578	3,090	160	61	85	53	21
458,000	466,538	487,376	519,555	540,255	549,604	553,884	440,092	412,630	461,605
3,506,678	3,529,643	3,584,988	3,493,585	3,643,520	3,848,463	3,994,152	4,219,950	3,874,326	3,806,623

¹² Bureau of Pensions transferred from Interior Department to Veterans' Administration in 1931.

¹³ In 1922 to 1925 additional allotments for veterans' relief are included under the Treasury, War, and Navy Departments, and in 1924 and 1925 also under the Interior Department. In 1922 these allotments amounted to \$31,746,000, in 1923, to \$10,706,000, in 1924, to \$6,411,000, and in 1925, to \$6,058,000.

¹⁴ Teachers' retirement fund included under District of Columbia prior to 1922.

¹⁵ Includes \$228,399,000 payments on certificates of indebtedness of Director General of Railroads.

¹⁶ Deduct, excess of credits resulting from receipts of \$266,637,000 from sale of equipment trust notes and \$123,783,000 from sale or collection of other securities acquired under the Transportation Act, 1920. In 1923 and 1924 receipts on these accounts were included under miscellaneous receipts.

¹⁷ Deduct, excess of credits resulting from deposits by War Finance Corporation of proceeds of United States securities redeemed.

¹⁸ Includes \$350,000,000 in 1920, \$100,000,000 in 1921, and \$25,000,000 in 1922 applied by U. S. Grain Corporation to reduction of capital stock and reflected in miscellaneous receipts for those years, the 1921 figure represents net expenditures after taking into account credits.

¹⁹ Revised to cover all expenditures of the Reconstruction Finance Corporation including payments against credits established for it through the purchase of its notes by the Secretary of the Treasury.

²⁰ Since July 1, 1932, deductions from salaries credited to the civil service, foreign service, and Canal Zone retirement funds and earnings from investments of such funds and of the adjusted service certificate fund have been classified as receipts, formerly such items were used to offset expenditures for these funds.

Source: Annual Report of the Secretary of the Treasury.

No. 166.—RECEIPTS BY SOURCES YEAR ENDED JUNE 30, 1933

[All figures in thousands of dollars Data are on the basis of warrants issued (See general note, p 158)]

Source	Amount	Source	Amount
ORDINARY RECEIPTS		ORDINARY RECEIPTS—continued	
Revenue receipts		Revenue receipts—Continued	
Customs.....	250, 515	Assessments—Continued	
Internal revenue.....	1, 809, 634	On Fed intermediate credit and	
Income taxes.....	746, 791	Fed and joint-stock land banks ⁴	307
Miscellaneous taxes.....	862, 451	On national banks, salaries and ex-	
Collections under enforcement of		penses, national bank examiners.....	2, 322
national prohibition act ¹	391	General railroad contingent fund.....	488
Miscellaneous taxes.....	7, 691	Furlough and compensation deduc-	
Federal Reserve banks franchise tax	2, 011	tions and vacancy savings.....	5 138
Tax on deficiencies in gold reserves		Immigration Service overtime.....	78
of Federal Reserve banks.....	10	Naval hospital funds.....	415
Immigration head tax.....	1, 768	Other.....	42
Tonnage tax.....	1, 414	Reimbursements.....	5, 945
Tax on national-bank circulation.....	3, 416	Collections under grain and cotton	
Taxes, licenses, etc., Canal Zone.....	71	standards acts.....	109
Interest, exchange, and dividends.....	103, 336	Maintenance of District of Columbia	
Interest on deferred collections or		inmates in Federal institutions.....	121
payments.....	424	Expenses of redeeming national cur-	
Interest on bonds of foreign govern-		rency.....	472
ments under funding agreements.....	67, 190	Inspection of food and farm products.....	289
Interest on farmers' seed loans.....	170	Gov property lost or damaged.....	119
Interest on public deposits.....	2, 256	Expense of international service of	
Interest on obligations of Recon-		ice observation and patrol.....	85
struction Finance Corporation.....	24, 369	By contractors for excess of cost over	
Interest on money loaned from con-		contract price.....	503
struction loan funds.....	3, 765	By State of Arizona for expenditures,	
Dividends, Panama Railroad.....	2, 800	nonproduction of cotton zones for	
Railroad obligations ²	530	1930 crop losses.....	146
Military and naval insurance ³	599	Maintenance and operation charges,	
Discount on Treasury obligations		irrigation systems, Indian Service.....	326
redeemed and purchased.....	1, 085	Appropriations for Indian tribes.....	134
Miscellaneous.....	148	Collections, reclamation fund.....	2, 349
Fines and penalties.....	3, 281	By Dist of Col., advances for ac-	
Judicial.....	313	quisition of lands under act May	
Customs Service.....	566	29, 1930.....	1, 000
Immigration Service.....	77	Other.....	232
Under enforcement of national pro-		Gifts and contributions.....	3, 991
hibition act (judicial) ¹	1, 909	Forest Service cooperative work.....	2, 344
Navy fines and forfeitures.....	342	Library of Congress gift fund.....	50
Other.....	73	Library of Congress trust fund, in-	
Fees.....	13, 657	vestment account.....	110
Agricultural commodities act.....	133	Donations, National Park Service.....	300
Board of Tax Appeals.....	63	For river and harbor improvement.....	594
Clerks, United States Courts.....	1, 569	For flood control.....	472
Commissions on telephone pay sta-		Other.....	120
tions in Federal buildings.....	64	Sales of property (products).....	3, 080
Consular and passport.....	4, 191	Scrap and salvaged materials, waste	
Copyright.....	250	paper, etc.....	1, 337
Immigration (registration).....	152	Agricultural products (incl dairy).....	68
Indian lands and timber.....	59	Card indexes, Library of Congress.....	207
Land offices (incl commissions).....	255	Public documents, charts, maps, etc.....	370
Marshals, United States Courts.....	202	Electric current.....	6 654
Naturalization.....	2, 349	Heat, light, and power.....	129
Navigation.....	169	Ice.....	68
Patent.....	4, 062	Occupational therapy products.....	56
Other.....	139	Water.....	50
Forfeitures.....	1, 045	Other.....	140
Bonds of aliens, contractors, etc.....	264	Sales of services.....	23, 617
Customs Service.....	139	Alaska Railroad fund.....	1, 381
Under enforcement of national		Laundry and dry cleaning.....	1, 096
prohibition act ¹	187	Overhead charges on sales of serv-	
Unclaimed moneys and wages re-		ices or supplies (War and Navy).....	82
maining in registry of courts.....	316	Quarantine charges (fumigation, in-	
Other.....	139	spection, etc., of vessels).....	218
Assessments.....	5, 973	Quarters, subsistence, etc.....	53
Colorado River Dam fund, Boulder		Radio service.....	49
Canyon project.....	61	Storage and other charges.....	184
Guaranty fund by farmers in con-		Profits on sale of ships' stores, Navy.....	218
nection with seed grain loans.....	106	Telephone and telegraph service.....	241
On Federal Reserve banks ⁴	2, 017	Tolls and profits, Panama Canal.....	19, 971
		Work done for individuals, etc.....	70
		Other.....	55

¹ Total collections under National Prohibition Act amounted to \$2,487,000, made as follows Under "Internal Revenue", \$391,000, under "Fines and penalties", \$1,909,000, under "Forfeitures", \$187,000

² Repayments to appropriations, representing cash receipts credited to appropriations

³ For salaries and expenses, Federal Reserve Board

⁴ For salaries, etc., Federal Farm Loan Board

⁵ In addition to this amount, impounded salary savings and reserve for impounded salary savings under provisions of the economy act, as amended, totaled \$52,812,900 and \$10,685,000, respectively, exclusive of \$54,861,000 impounded salary savings and \$9,645,000 reserve therefor for the Postal Service

⁶ Includes \$555,000 for Dam No. 2, Muscle Shoals, Ala., and \$29,000 for Coolidge Dam, Ariz

No. 166.—RECEIPTS BY SOURCES: YEAR ENDED JUNE 30, 1933—Continued

[All figures in thousands of dollars]

Source	Amount	Source	Amount
ORDINARY RECEIPTS—continued		ORDINARY RECEIPTS—continued	
Revenue receipts—Continued		Nonrevenue receipts—Continued	
Rents and royalties.....	4,738	Sales of property—Continued	
Rent of public buildings and grounds.....	365	Funds from sales of ships, etc., deposited for construction loans under merchant marine act, 1920.....	2,405
Rent of land.....	94	Other.....	40
Rent of equipment.....	76	Trust funds.....	126,187
Receipts under mineral leasing acts.....	3,256	Government life insurance fund.....	71,096
Royalties on oil, gas, etc.....	75	Adjusted service certificate fund.....	5,794
Rent of Army tank cars.....	70	Canal Zone retirement fund.....	561
Rent of water-power sites.....	53	Civil service retirement fund.....	40,250
Other.....	43	Foreign service retirement fund.....	262
Permits, privileges, and licenses.....	1,734	Deposits, funds due incompetent beneficiaries, Veterans' Adm.....	1,662
Alaska fund.....	187	Deposits, general post fund, national homes, Veterans' Administration.....	235
Business concessions.....	176	Deposits of commissary funds, Federal prisons.....	259
Immigration permits.....	349	Deposits of funds of Fed. prisoners.....	655
Licenses under Fed. water-power act.....	565	Pension money and personal funds, patients St. Elizabeths Hospital.....	253
Permits to enter national parks.....	441	Indian moneys—	
Other.....	16	Proceeds of labor.....	818
Mint receipts—profits on coinage, etc.....	1,432	Oil and gas leases, etc., Osage Reservation, Okla.....	1,605
Forest reserve fund.....	2,695	Sales and leases of Indian lands, etc.....	362
Postal receipts, Panama Canal.....	237	Pay of the Navy and Marine Corps, deposit funds.....	195
U. S. share, Dist. of Col. receipts.....	74	Pay of the Army, deposit fund.....	904
Total revenue receipts.....	2,042,676	Soldiers' Home permanent fund.....	346
Nonrevenue receipts.....		Deposit of stars and stripes and other funds to recreation fund, Army.....	807
Army costs due U. S. from Germany.....	55	Miscellaneous trust funds.....	123
Repayment of investments.....	36,744	District of Columbia receipts (Dist. of Col. share, trust funds).....	34,411
Railroad obligations.....	445	Revenue receipts.....	27,509
Loans and credits to farmers.....	2,651	Nonrevenue receipts.....	6,902
Liquidation of capital stock, Federal land banks.....	62	Total nonrevenue receipts.....	201,578
Deposit by U. S. Ship Bd. Mer. Fleet Corp. under Economy Act.....	1,938	Total ordinary receipts, warrants-issued basis.....	2,244,254
Principal of bonds of foreign governments under funding agreements.....	31,568	Adjustment to basis of daily Treasury statements.....	-5,898
Construction costs of public works in Colon and Panama.....	56	Total ordinary receipts, basis of daily Treasury statements.....	2,238,356
Other.....	25		
Sales of public lands.....	103		
Sales of property.....	4,079		
Capital equipment—trucks, horses, cars, machinery, furniture, etc.....	146		
Land and buildings.....	145		
Land, etc., on account of military post construction fund.....	287		
War supplies.....	948		
Oreg. and Calif. land-grant fund.....	107		

⁷ See note 2, p. 164. ⁸ Interest on investments and loans. ⁹ Contributions and interest on investments.

¹⁰ United States revenue from District of Columbia sources is shown under revenue receipts above.

Source: Annual report of the Secretary of the Treasury.

No. 167.—DETAILS OF EXPENDITURES. YEAR ENDED JUNE 30, 1933

[All figures in thousands of dollars. Data are on the basis of checks issued. (See general note p. 158).]

Object of expenditure	Amount	Object of expenditure	Amount
GENERAL EXPENDITURES		GENERAL EXPENDITURES—continued	
Legislative establishment.....	20,718	Independent offices—Continued	
United States Senate.....	3,108	Arlington Memorial Bridge Com'n.....	352
House of Representatives.....	7,606	Board of Mediation.....	158
Legislative, miscellaneous.....	49	Board of Tax Appeals.....	520
Architect of the Capitol.....	6,535	Bureau of Efficiency.....	129
Botanic Garden.....	120	Civil Service Commission.....	1,261
Library of Congress.....	2,273	Employees' Compensation Com'n.....	4,345
Government Printing Office.....	1,025	Federal Bd. for Vocational Education.....	9,048
Executive office.....	370	Federal Farm Board.....	643
Independent offices ¹	59,488	Federal Power Commission.....	295
Alien Property Custodian.....	2161	Federal Radio Commission.....	733
American National Red Cross.....	55	Federal Reserve Board.....	2,030
American Battle Monuments Com'n.....	346	Federal Trade Commission.....	1,335
		General Accounting Office.....	3,789
		Interstate Commerce Commission.....	7,053

¹ Exclusive of related items on p. 167, U. S. Shipping Board, Veterans' Administration, Farm Credit Administration, and Reconstruction Finance Corporation.

² Excess credits, deduct.

³ For agricultural marketing fund see p. 167.

No. 167.—DETAILS OF EXPENDITURES: YEAR ENDED JUNE 30, 1933—Continued

[All figures in thousands of dollars]

Object of expenditure	Amount	Object of expenditure	Amount
GENERAL EXPENDITURES—continued		GENERAL EXPENDITURES—continued	
Independent offices—Continued.		Department of Agriculture—Continued.	
Nat'l Adv'y Com'tee for Aeronautics.	861	Agricultural Adjustment Adm'n.	17
Nat'l Cap'l Park and Planning Com'n.	570	Miscellaneous.	3,355
Pub B'ldgs and Parks of the Nat'l Capitol.	4,336	Department of Commerce.	45,315
Railroad Adm'n and Transp'n Act.	189	Office of the Secretary.	1,159
Personnel Classification Board.	39	Aircraft in Commerce.	9,339
Puerto Rican Hurricane Relief Com'n.	352	Bureau of Foreign and Domestic Commerce.	3,745
Smithsonian Institution.	376	Bureau of the Census.	3,181
National Museum.	678	Bureau of Navigation and Steamboat Inspection Service.	1,384
U. S. Supreme Court Bldg. Com'n.	3,544	Bureau of Standards.	2,208
U. S. Tariff Commission.	900	Bureau of Lighthouses.	12,046
Chicago World's Fair Cen. Celebration.	506	Coast and Geodetic Survey.	3,368
Geo. Rogers Clark Sequenent'l Com'n.	581	Bureau of Fisheries.	2,019
George Washington Bicent Com'n.	150	Patent Office.	4,753
Mount Rushmore Nat'l Mem. Com'n.	51	Bureau of Mines.	1,852
Public Building Commission.	50	Miscellaneous.	259
Emergency Conservation work.	14,248	Department of the Interior.	78,933
Federal Home Loan Bank Board.	217	Office of the Secretary.	1,266
National Banking Emergency Act.	235	General Land Office.	3,271
Other commissions, etc.	49	Bureau of Reclamation.	25,211
U. S. Shipping Board.	28,320	Geological Survey.	2,515
Veterans' Administration.	854,001	National Park Service.	9,434
Salaries and expenses.	90,116	Office of Education.	2,892
Hospital and domiciliary facilities and services.	14,307	Government in Territories.	3,504
Military and naval compensation.	315,625	Beneficiaries.	2,862
Military and naval insurance.	123,409	Miscellaneous.	6
Adjusted service and dependent pay.	2,252	Indian affairs—	
Printing and binding.	125	Salaries and general expenses.	2,000
Army and Navy pensions.	234,990	Education.	10,097
State and Territorial homes for disabled soldiers and sailors.	758	General support and civilization.	1,532
Gov't life insurance fund (trust fund).	70,344	Interest on Indian tribal funds.	660
Miscellaneous.	2,075	Tribal funds (trust funds).	4,985
Department of Agriculture.	255,475	Fulfilling treaty stipulations.	574
Office of the Secretary.	970	Miscellaneous.	8,135
Office of Information.	1,127	Department of Justice.	44,671
Library.	103	Office of the Attorney General—	
Office of Experiment Stations.	4,583	Salaries and expenses.	1,610
Extension service.	1,534	Detection and prosecution of crimes.	2,321
Cooperative extension work.	8,607	Bureau of Prisons.	202
Weather Bureau.	3,696	Bureau of Probation.	9,087
Bureau of Animal Industry.	8,044	Miscellaneous.	497
Meat inspection, Bureau of Animal Industry.	5,020	Judicial—	
Bureau of Dairy Industry.	627	Salaries of judicial officers.	3,050
Bureau of Plant Industry.	4,637	Expenses, etc., United States courts.	13,250
Forest Service.	17,009	Penal and correctional institutions.	14,434
Cooperative work, Forest Service.	2,119	Miscellaneous.	221
Payments to States and roads and trails for States, national forests funds.	805	Department of Labor.	13,546
Lands for protection of watersheds and streams.	858	Office of the Secretary.	656
Bureau of Chemistry and Soils.	1,603	Bureau of Labor Statistics.	415
Bureau of Entomology.	2,205	Bureau of Immigration.	9,745
Bureau of Biological Survey.	1,784	Bureau of Naturalization.	896
Mount Vernon Memorial Highway.	277	Children's Bureau.	339
Road construction.	177,245	Women's Bureau.	143
Flood relief for restoration of roads and bridges.	441	Employment service.	765
Bureau of Agricultural Economics.	5,900	Miscellaneous.	587
Bureau of Agricultural Engineering.	496	Navy Department.	343,104
Bureau of Home Economics.	214	Office of the Secretary.	1,797
Bureau of Plant Quarantine.	300	Bureau of Navigation.	5,568
Enforcement of Grain Futures Act.	174	Bureau of Engineering.	20,245
Food and Drug Administration.	1,583	Bureau of Construction and Repair.	15,940
Loans and credits to farmers.	144	Bureau of Ordnance.	11,642
		Bureau of Yards and Docks.	19,399

² Excess credits, deduct.

³ Includes expenditures of \$14,240,000 from "Army account of advances" on account of the Emergency Conservation fund which were included in expenditures of the War Department in daily Treasury statements for the fiscal year 1933, as adjustments between "Army account of advances" and the Emergency Conservation fund did not reach the Treasury until after the close of the year; this largely accounts for differences in expenditures of the War Department and independent offices on a check-issued basis and on a cash basis.

⁴ Exclusive of adjusted service certificate fund and civil service and Canal Zone retirement and disability funds, see p. 167.

⁵ Includes salaries and expenses of Bureau of Public Roads.

⁶ Additional expenditures of \$3,000 for prior year accounts were made under Treasury Department. Expenditures under Bureau of Industrial Alcohol, Treasury Department, amounted to \$3,965,000.

No. 167.—DETAILS OF EXPENDITURES: YEAR ENDED JUNE 30, 1933—Continued

[All figures in thousands of dollars]

Object of expenditure	Amount	Object of expenditure	Amount
GENERAL EXPENDITURES—continued		GENERAL EXPENDITURES—continued	
Navy Department—Continued.		War Department—Continued	
Bureau of Supplies and Accounts—		Military activities—Continued.	
Fuel and transportation.....	5,588	Quartermaster Corps—Continued	
Maintenance.....	8,962	Barracks and quarters and other	
Naval supply account fund.....	² 13,696	buildings and utilities.....	14,538
Pay, subsistence, etc., Navy.....	142,440	Construction of buildings, etc., at	
Other items.....	438	military posts.....	11,619
Bureau of Medicine and Surgery.....	1,768	Construction and repair of hos-	
Bureau of Aeronautics.....	31,381	pitals.....	546
Naval Academy.....	1,761	Incidental expenses of the Army.....	3,269
Marine Corps—Pay.....	14,607	Regular supplies of the Army.....	4,489
General expenses and other items.....	6,343	Subsistence of the Army.....	18,490
Alterations to Navy vessels.....	12,418	Other.....	308
Increase of Navy.....	48,320	Signal Corps.....	2,925
Salaries, Navy Department.....	3,705	Air Corps.....	21,930
Contingent expenses, etc.....	836	Medical Department.....	1,533
Miscellaneous.....	3,641	Corps of Engineers.....	516
Post Office Department ⁸	59	Ordnance Department.....	10,015
Department of State	15,058	Chemical Warfare Service.....	1,239
Salaries and expenses.....	2,030	Chief of Infantry.....	60
Foreign intercourse ⁹	13,045	Chief of Cavalry.....	18
Special deposit accounts.....	¹ 78	Chief of Field Artillery.....	25
Treasury Department ¹⁰	267,632	Chief of Coast Artillery.....	27
Office of the Secretary.....	141	Seacoast Defenses.....	1,806
Office of the Chief Clerk and Supt.....	694	Seacoast Defenses, Panama Canal.....	615
Division of Supply.....	1,093	Military Academy.....	2,516
General Supply Committee.....	163	Militia Bureau.....	33,170
Office Com. of Accounts and Deposits.....	98	Organized Reserves.....	5,748
Division of Bookkeeping and Warrants.....	1,078	Citizens' military training.....	6,460
Public Debt Service.....	3,212	National Board for Promotion of	
Division of Appointments.....	40	Rifle Practice.....	258
Office of Disbursing Clerk.....	49	Accounting funds.....	² 12,920
Bureau of Customs ¹⁰		Special deposit accounts.....	189
Collecting the revenue.....	19,472	Nonmilitary activities—	
Miscellaneous expenses.....	9	National cemeteries.....	930
Bureau of the Budget.....	172	National military parks.....	451
Federal Farm Loan Bureau.....	735	Miscellaneous, Quartermaster Corps.....	615
Office of Treasurer of the United States.....	1,332	Signal Corps.....	194
Office of Comptroller of Currency.....	2,756	Corps of Engineers, miscellaneous.....	47
Bureau of Internal Revenue ¹⁰		Rivers and harbors.....	118,111
Collecting the revenue.....	29,912	War claims and relief acts.....	52
Bureau of Prohibition—Enforcement		Trust funds.....	1,405
of narcotics and prohibition acts.....	¹¹ 3	Miscellaneous.....	104
Bureau of Industrial Alcohol ¹⁰	3,893	Total general expenditures.....	2,447,108
Bureau of Narcotics.....	1,211	OTHER ITEMS	
Coast Guard.....	29,230	Interest on public debt.....	689,243
Bureau of Engraving and Printing.....	5,528	Public debt retirements chargeable	
Secret Service Division.....	661	against ordinary receipts ¹³	461,605
Public Health Service.....	10,378	Postal deficiency.....	117,380
Bureau of the Mint.....	1,204	Refunds of receipts—	
Office of Supervising Architect—		Customs.....	12,610
Operating expenses, public buildings.....	14,806	Internal Revenue.....	55,618
Repairs, equipment, etc., pub. bldgs.....	7,018	Bureau of Industrial Alcohol.....	72
Sites, construction, etc.....	105,610	Panama Canal.....	11,418
To promote the education of the blind.....	75	Reconstruction Finance Corporation.....	1,277,038
Outstanding liabilities (trust fund).....	² 264	Additional stock Fed. land banks.....	² 243
Miscellaneous.....	² 1,073	Farm Credit Administration.....	² 593
Settlement of war claims act of 1928.....	137	Agricultural marketing fund (net).....	² 5,304
Stock, Fed. intermediate credit banks.....	28,000	Distribution of wheat and cotton for	
War Department (excl. Panama Canal) ¹²	420,422	relief.....	35,106
Military activities—		Adjusted service certificate fund.....	107,602
Office of the Secretary.....	680	Civil service retirement fund.....	61,192
General Staff Corps.....	116	Foreign service retirement fund.....	678
Adjutant General's Department.....	104	Canal Zone retirement fund.....	545
Judge Advocate General's Dept.....	256	Dist. of Col. (incl. trust funds).....	42,029
Salaries, War Department.....	4,447	Total other items.....	2,865,854
Finance Department.....		Total expenditures chargeable	
Pay of the Army.....	127,715	against ordinary receipts, checks-	
Finance service.....	982	issued basis.....	5,312,768
Judgments and miscellaneous.....	3,371	Adjustment between checks issued	
Quartermaster Corps—		and cash expenditures.....	-6,140
Army transportation.....	12,599	Total cash expenditures chargeable	
Clothing and equipage.....	6,865	against ordinary receipts.....	5,306,628

² Excess credits, deduct ⁸ Excludes Postal Service payable from postal revenues and postal deficiency.⁹ Exclusive of Foreign Service retirement fund ¹⁰ Excluding refunds of receipts¹¹ For additional expenditures see under Department of Justice¹² Exclusive of the \$14,240,000 referred to in note 4, p. 166 ¹³ For details see p. 163

Source Annual Report of the Secretary of the Treasury

No. 168.—APPROPRIATIONS BY CONGRESS FOR YEARS ENDED JUNE 30

NOTE.—All figures in thousands of dollars. Amounts shown for a specified year differ from the actual appropriations for that year, since the former include deficiency appropriations for prior years and exclude amounts for that year provided subsequently as deficiency appropriations

Branch	Number of Congress and fiscal year for which appropriated					
	67th, 1923	67th, 1924	68th, 1925	68th, 1926	69th, 1927	69th, 1928
Legislative.....	15,165	14,786	14,648	15,720	20,160	16,480
Executive Office.....	351	497	426	534	824	438
Independent offices.....	757,413	522,563	411,216	596,347	639,941	520,011
District of Columbia.....	26,652	26,633	27,967	40,209	38,459	38,920
Department of Agriculture.....	145,545	110,662	74,637	146,715	167,572	153,430
Department of Commerce.....	20,784	22,116	24,123	25,143	31,526	36,822
Department of the Interior.....	328,256	343,519	292,323	274,826	270,351	285,800
Department of Justice.....	20,676	23,846	24,227	28,104	27,200	26,432
Department of Labor.....	8,607	7,519	8,364	9,338	10,184	10,160
Navy Department.....	300,514	325,323	278,601	324,752	325,791	320,466
Post Office Department.....						
Payable from Treasury ¹	554	442	173	244	32	18
Payable from postal revenues ²	572,528	596,909	629,199	651,256	842,420	755,364
Department of State.....	17,570	15,896	15,246	18,187	17,819	12,312
Treasury Department.....	243,845	279,612	269,355	340,915	339,207	345,269
Interest on the public debt.....	³ 1,100,000	940,000	865,000	830,000	795,000	755,000
Sinking fund and debt retirements chargeable against ordinary receipts.....	330,089	507,011	471,806	484,766	515,583	563,630
War Department.....	359,592	355,211	341,340	364,625	367,386	370,429
Total.....	4,248,141	4,092,544	3,748,652	4,151,682	4,409,463	4,211,011
Deduct amount payable from postal revenues ²	572,528	596,909	629,199	651,256	842,420	755,364
Net total.....	3,675,612	3,495,635	3,119,453	3,500,426	3,567,044	3,455,647
	70th, 1929	70th, 1930	71st, 1931	71st, 1932	72d, 1933	72d and 73d, 1934
Legislative.....	18,970	21,338	29,521	27,839	20,666	17,426
Executive Office.....	437	594	628	475	395	369
Independent offices.....	648,089	661,319	1,160,250	1,383,294	1,873,491	4,061,013
District of Columbia.....	41,541	42,569	52,488	50,143	45,142	34,644
Department of Agriculture.....	163,668	169,660	220,288	422,203	372,170	211,544
Department of Commerce.....	40,713	60,508	61,301	54,960	45,213	36,943
Department of the Interior.....	353,332	334,467	87,150	101,765	82,136	56,684
Department of Justice.....	29,049	30,771	42,248	58,522	46,340	42,260
Department of Labor.....	11,181	11,429	12,849	15,036	13,738	14,839
Navy Department.....	394,736	379,152	389,183	377,973	332,034	310,611
Post Office Department.....						
Payable from Treasury ¹	67	28	43,075	54	84	36
Payable from postal revenues ²	776,975	842,125	840,271	844,610	807,887	713,421
Department of State.....	15,609	15,826	18,778	18,796	14,151	12,822
Treasury Department.....	465,474	427,393	372,557	278,587	519,421	556,490
Interest on the public debt.....	675,000	640,000	619,000	581,000	640,000	725,000
Sinking fund and debt retirements chargeable against ordinary receipts.....	541,942	553,068	635,324	468,510	499,803	534,070
War Department.....	466,795	474,990	477,799	494,758	475,582	364,276
Total.....	4,633,578	4,665,237	5,071,712	5,178,525	5,785,253	7,692,447
Deduct amount payable from postal revenues ²	776,975	842,125	840,271	844,610	807,887	713,421
Net total.....	3,856,603	3,823,112	4,231,440	4,333,915	4,977,366	6,979,026

¹ Figures cover only appropriations which have been specifically designated by Congress as payable from the Treasury and are exclusive of amounts which may be required under indefinite appropriations (payable from the Treasury) provided by law to supply deficiencies in the postal revenues (See note 2.)

² These figures include amounts which may be required under indefinite appropriations (payable from the Treasury) to supply deficiencies, if any, in the postal revenues

³ Includes \$125,000,000 of accumulated interest on war-savings certificates, series of 1918, to be paid during the fiscal year 1923 though properly allocable to the full 5 years of their life.

Source: Treasury Department.

No. 169.—INTERNAL REVENUE: AMOUNTS COLLECTED FROM PRINCIPAL SOURCES

NOTE.—All figures in thousands of dollars. The figures represent collections by internal revenue officers throughout the country, including deposits by postmasters of amounts received from sale of internal revenue stamps and deposits of internal revenue collected through customs offices, and, therefore, differ from those in Tables 161, 163, and 166 which represent the deposits of these collections in the Treasury or depositories during the fiscal year concerned, there being thus an overlapping of time. Certain items, included in the totals in the last column, are shown in detail in the second part of the table.

Yearly average or year ended June 30—	Total	Spirits ¹	Fermented liquors ¹	Tobacco ¹	Income and profits ²	Legacies, inheritances, etc.	Sales of manufacturers and dealers ³	Documentary stamps ⁴	Other ⁵
1863-1865	122,942	18,079	2,551	7,697	28,005	305	43,444	6,915	15,945
1866-1870	221,797	37,229	5,931	21,962	50,604	2,277	63,283	14,932	25,580
1871-1875	119,971	49,877	8,684	34,450	7,760	2,505	2,931	9,745	6,024
1876-1880	116,681	55,614	10,510	40,000	(?)		341	6,272	3,943
1881-1885	132,064	71,163	16,614	36,964	\$ 29		70	4,433	2,808
1886-1890	126,711	72,045	22,931	30,901			14	5	
1891-1895	150,202	86,898	30,841	30,802	\$ 77		3	(?)	1,703
1896-1900	206,624	102,876	40,503	41,000		\$ 2,060	1,971	\$ 25,253	4,307
1901-1905	255,314	128,178	58,980	49,650		3,652	1,053	\$ 23,950	4,269
1906-1910	261,321	144,557	58,609	52,020	\$ 20,960	\$ 96	1,657		1,736
1911-1915	356,851	156,854	68,063	74,866	49,737		739	\$ 20,494	3,494
1916-1920	2,855,761	226,293	93,352	169,853	1,984,473	10,59,799	77,800	38,650	217,500
1921-1925	3,158,975	11 42,400	17	301,176	2,121,913	126,415	186,135	58,373	322,546
1926-1930	2,894,284	11 17,482	4	405,614	2,222,032	81,262	55,484	51,686	60,819
1908	251,660	140,159	59,808	49,863			176		1,661
1909	246,213	134,868	57,456	51,887			165		1,836
1910	289,957	148,029	60,572	58,118	20,960		165		2,112
1911	322,526	155,280	64,368	67,006	33,512		153		2,209
1912	321,616	156,391	63,269	70,590	28,583		169		2,613
1913	344,424	163,879	66,267	76,789	35,006		156		2,326
1914	380,009	159,098	67,082	79,987	71,381		128		2,333
1915	415,681	144,620	79,329	9,857	80,202		3,089	20,494	7,989
1916	512,723	158,682	58,771	88,064	124,937		4,219	38,110	9,959
1917	809,364	192,111	91,897	108,202	387,882	6,077	775	8,254	19,695
1918	3,698,956	317,554	126,186	156,189	2,852,325	47,453	36,637	21,875	140,638
1919	3,850,150	365,211	117,840	206,003	2,600,784	82,030	79,400	43,751	355,131
1920	5,407,580	97,905	41,966	293,809	3,956,936	103,636	267,969	81,259	562,100
1921	4,595,357	82,598	25	255,219	3,228,138	154,043	229,938	69,864	576,071
1922	3,197,451	11 45,563	46	270,759	2,086,918	139,419	174,361	55,919	424,464
1923	2,621,745	10,354	4	309,015	1,691,090	126,705	185,117	61,490	217,970
1924	2,796,179	11 27,580	5	325,639	1,841,759	102,967	200,922	58,526	238,781
1925	2,584,140	15,903	2	345,247	1,761,659	12 108,940	140,877	46,068	155,444
1926	2,836,000	11 26,436	16	370,666	1,974,104	12 119,216	150,167	49,801	145,594
1927	2,865,683	11 21,195	1	376,170	2,219,952	100,340	66,651	32,603	48,771
1928	2,790,536	11 15,307	(?)	396,450	2,174,573	60,087	51,812	43,818	48,486
1929	2,939,054	11 12,777	(?)	434,445	2,331,274	61,897	5,724	58,798	34,140
1930	3,040,146	11 11,695		450,339	2,410,259	64,770	2,676	72,609	27,497
1931	2,428,229	11 10,432		444,277	1,880,040	48,078	150	41,960	23,292
1932	1,557,729	11 8,704		398,679	1,056,757	47,422	96	27,854	18,317
1933	1,619,839	11 7,935	35,239	402,739	746,791	12 34,310	243,616	53,430	11 95,779

Year	Trans- portation, telegraph, etc	Beverages (nonal- coholic), etc	Corpora- tion capital stock	Theater admis- sions, etc	Year	Trans- portation, telegraph, etc	Beverages (nonal- coholic), etc	Corpora- tion capital stock	Theater admis- sions, etc
1917			10,472		1926		54	97,386	23,981
1918	70,737	2,215	24,996	26,357	1927		199	8,970	17,941
1919	237,840	7,182	28,776	50,920	1928		139	8,689	17,725
1920	289,348	57,461	93,020	76,721	1929			5,956	6,083
1921	301,512	58,676	81,526	89,731	1930			47	4,231
1922	198,790	33,504	80,612	73,385	1931				2,779
1923	30,381	10,132	81,568	70,175	1932				1,859
1924	34,662	10,419	87,472	77,713	1933	22,032	4,186		15,521
1925			90,003	30,908					

¹ Including special taxes relating to manufacture and sale, except for tobacco taxes for 1927 and following years.

² Including receipts from excise tax on corporations for the years 1910 to 1914, and munition manufacturers' tax for 1917 and 1918.

³ Revised to include tax on adulterated, process, or renovated butter, mixed flour, and filled cheese, 1901 to 1918, stamp tax on medicinal articles and preparations, 1898 to 1902, and excise tax on perfumery, cosmetics, etc., 1915 to 1922, these items were formerly included under "Miscellaneous" or "Stamps" for the years named. Excise taxes on nonalcoholic cereal beverages, soft drinks, etc., shown separately in second part of table, are not included. Figures for 1863 to 1876 include receipts from the tax on raw cotton.

⁴ Includes proprietary stamps prior to 1896-1900.

⁵ The major items included in this column beginning 1917 are shown in detail in second part of table.

⁶ Figures for 1 year only. ⁷ Less than \$500. ⁸ Average for 2 years. ⁹ Average for 3 years.

¹⁰ Average for 4 years. ¹¹ Consists chiefly of tax on distilled spirits (nonbeverage).

¹² Includes gift tax amounting to \$7,518,000 in 1925, \$3,175,000 in 1926, and \$4,617,000 in 1933.

¹³ Includes \$40,822,000 tax on checks and safe-deposit boxes in addition to items shown in detail below.

Source. Annual Report of the Secretary of the Treasury.

No. 170.—INTERNAL REVENUE: RECEIPTS FROM EACH SPECIFIC SOURCE

NOTE—All figures in thousands of dollars Data are for years ended June 30 See also headnote, Table 169

Source	1929	1930	1931	1932	1933
Grand total	2, 939, 054	3, 040, 146	2, 428, 229	1, 557, 729	1, 619, 839
Income tax	2, 331, 274	2, 410, 259	1, 860, 040	1, 056, 757	746, 791
Corporation ¹	1, 235, 733	1, 263, 414	1, 026, 393	629, 566	394, 218
Individual.....	1, 095, 541	1, 146, 845	833, 648	427, 191	352, 574
Estate tax	61, 897	84, 770	48, 078	47, 422	29, 693
Gift tax	Transfer of estates of decedents				4, 617
Transfer of any property by gift.....					
Distilled spirits, etc.	12, 777	11, 695	10, 432	8, 704	7, 944
Distilled spirits (nonbeverage).....	11, 590	10, 717	9, 579	7, 907	6, 745
Still or sparkling wines, cordials, etc.....	293	239	228	187	209
Grape brandy used for fortifying sweet wines.....	268	124	63	74	48
Rectifiers; retail and wholesale liquor dealers, manufacturers of stills (special taxes).....	528	526	519	506	878
Miscellaneous collections relating to distilled spirits.....	98	88	42	31	56
Fermented liquors (Revenue Act of 1918).....					9
Nonintoxicating liquors (act of Mar 22, 1933)					35, 230
Fermented vinous or fruit-juice liquors.....					81
Fermented malt liquors.....					33, 081
Brewers, retail and wholesale dealers in malt liquor (special taxes).....					2, 068
Tobacco	434, 445	450, 339	444, 277	398, 579	402, 739
Cigars (large).....	22, 549	21, 141	18, 025	14, 208	11, 305
Cigars (small).....	323	302	271	227	174
Cigarettes (large).....	83	65	46	32	21
Cigarettes (small).....	341, 952	359, 816	358, 915	317, 533	328, 418
Snuff.....	7, 127	7, 542	7, 190	6, 846	6, 405
Tobacco, chewing and smoking.....	61, 159	60, 098	58, 377	58, 030	55, 450
Cigarette papers and tubes.....	1, 180	1, 324	1, 442	1, 701	958
Miscellaneous collections.....	73	51	10	3	7
Stamp taxes (not elsewhere enumerated)	64, 174	77, 729	46, 954	32, 941	57, 578
Bonds of indebtedness, issues of capital stock, deeds of conveyance, etc.....	17, 868	22, 611	14, 757	9, 199	16, 035
Capital stock and similar interest sales or transfers.....	37, 596	46, 698	25, 520	17, 696	33, 188
Sales of produce (future delivery).....	3, 333	3, 600	1, 683	959	4, 207
Playing cards.....	5, 376	4, 819	4, 994	4, 387	3, 908
Use of yachts and boats (domestic and foreign).....					240
Manufacturers' excise taxes, Revenue Act of 1932					247, 751
Lubricating oils.....					16, 233
Brewers' wort, malt, grape concentrate, etc.....					5, 708
Matches.....					2, 872
Gasoline.....					124, 929
Electrical energy.....					28, 563
Tires and inner tubes.....					14, 980
Toilet preparations, etc.....					9, 603
Articles made of fur.....					7, 546
Jewelry (watches, clocks, opera and field glasses, etc.).....					3, 068
Automobile trucks.....					1, 654
Other automobiles and motorcycles.....	(?)	(?)			12, 574
Parts or accessories for automobiles.....					3, 597
Radio sets, phonograph records, etc.....					2, 207
Mechanical refrigerators.....					2, 112
Sporting goods.....					2, 702
Firearms, shells, and cartridges.....					897
Cameras and lenses.....					170
Candy and chewing gum.....					4, 150
Soft drinks.....					4, 186
Miscellaneous taxes:					
Telephone, telegraph, radio, and cable facilities, leased wires, etc.....					14, 565
Transportation of oil by pipe line.....					7, 467
Admission to theaters, concerts, cabarets, etc.....	6, 083	4, 231	2, 779	1, 859	15, 521
Leases of safe-deposit boxes.....					2, 365
Checks, drafts, or orders for payment of money.....					38, 456
Adulterated and process or renovated butter, mixed flour and filled cheese.....	12	12	12	9	16
Oleomargarine, including special taxes.....	3, 611	3, 919	2, 681	1, 745	1, 347
Narcotics, including special taxes.....	605	589	607	521	457
Collections under prohibition laws.....	727	1, 105	586	491	530
Club dues and initiation fees.....	11, 245	12, 521	11, 478	9, 205	6, 679
Pistols and revolvers.....	166	344	138	87	35
Other miscellaneous receipts.....	12, 038	2, 633	167	111	57

¹ Includes income tax on Alaska railroads (act of July 18, 1914)² Delinquent taxes collected under revenue act of 1926 are included in "Other miscellaneous receipts" Source. Annual Report of the Commissioner of Internal Revenue

No. 171.—INTERNAL REVENUE: RECEIPTS BY STATES, YEARS ENDED JUNE 30

NOTE.—Tax receipts are credited to the districts in which the collections are made. Receipts in the various States do not indicate the tax burden of the respective States, since the taxes may eventually be borne by persons in other States. See also headnote, Table 169

[All figures in thousands of dollars]

Division and State	Income taxes				Miscellaneous internal revenue			
	1930	1931	1932	1933	1930	1931	1932	1933
Total	2, 410, 259	1, 860, 040	1, 056, 757	746, 791	629, 887	568, 188	500, 972	873, 048
New England	182, 362	140, 150	76, 584	59, 808	11, 740	9, 569	6, 691	20, 787
Maine.....	7, 928	6, 394	3, 939	3, 037	743	356	415	686
New Hampshire.....	3, 287	2, 774	1, 467	1, 218	472	782	219	573
Vermont.....	2, 146	1, 700	858	605	84	51	107	254
Massachusetts.....	109, 683	83, 431	45, 075	35, 170	6, 060	5, 064	4, 072	14, 219
Rhode Island.....	13, 863	10, 856	6, 189	5, 210	1, 445	425	527	1, 208
Connecticut.....	45, 455	34, 994	19, 056	14, 568	2, 936	2, 892	1, 351	3, 847
Middle Atlantic	1, 138, 021	880, 862	488, 536	342, 687	145, 085	99, 173	96, 191	219, 390
New York.....	830, 165	614, 961	348, 551	240, 002	98, 790	57, 211	46, 438	136, 345
New Jersey.....	94, 812	71, 668	42, 808	37, 330	29, 136	25, 943	27, 537	34, 145
Pennsylvania.....	213, 044	174, 243	97, 177	65, 355	17, 159	16, 019	12, 216	48, 900
East North Central	534, 674	417, 725	220, 183	131, 970	56, 980	42, 953	37, 178	131, 009
Ohio.....	126, 150	96, 003	47, 532	30, 285	19, 480	16, 929	14, 282	39, 192
Indiana.....	23, 340	19, 095	10, 892	8, 438	2, 958	2, 336	1, 478	5, 882
Illinois.....	223, 375	173, 676	91, 461	56, 453	23, 762	17, 112	15, 215	49, 662
Michigan.....	127, 675	102, 368	55, 141	29, 200	9, 401	4, 997	4, 836	25, 174
Wisconsin.....	34, 134	26, 584	15, 157	7, 594	1, 379	1, 580	1, 369	11, 499
West North Central	115, 324	90, 590	55, 163	41, 161	14, 791	14, 410	11, 249	34, 332
Minnesota.....	28, 598	20, 803	12, 987	10, 028	1, 840	2, 480	1, 316	5, 247
Iowa.....	12, 843	9, 897	6, 166	4, 397	526	499	292	2, 140
Missouri.....	50, 542	40, 907	25, 471	19, 594	11, 482	10, 830	9, 191	20, 112
North Dakota.....	524	352	235	221	32	14	12	231
South Dakota.....	840	719	415	267	48	30	33	345
Nebraska.....	5, 309	4, 573	3, 030	2, 357	397	206	129	1, 506
Kansas.....	16, 668	13, 340	6, 864	4, 297	466	351	277	4, 751
South Atlantic	160, 887	131, 683	85, 104	71, 108	348, 824	355, 177	316, 124	311, 883
Delaware.....	39, 103	32, 877	15, 232	11, 511	1, 042	1, 165	1, 216	1, 009
District of Columbia.....	14, 784	12, 716	7, 450	6, 273	940	1, 969	1, 000	2, 191
Maryland.....	35, 954	28, 458	21, 823	18, 949	2, 530	1, 716	1, 668	4, 152
Virginia.....	18, 592	19, 207	13, 325	9, 677	78, 103	94, 555	86, 647	94, 122
West Virginia.....	9, 451	18, 670	4, 982	3, 026	2, 689	2, 482	2, 095	2, 791
North Carolina.....	16, 981	13, 720	11, 464	12, 761	257, 276	249, 129	219, 675	200, 727
South Carolina.....	2, 802	1, 807	1, 504	1, 051	217	171	274	683
Georgia.....	12, 146	6, 389	4, 186	3, 581	375	323	228	2, 892
Florida.....	11, 084	7, 839	5, 138	4, 279	5, 652	3, 668	3, 322	3, 316
East South Central	35, 943	25, 806	14, 115	10, 518	22, 174	21, 894	24, 707	58, 629
Kentucky.....	14, 946	10, 711	5, 619	4, 172	17, 432	17, 775	20, 655	49, 958
Tennessee.....	12, 294	9, 284	5, 457	4, 247	4, 184	3, 848	3, 642	4, 574
Alabama.....	6, 657	4, 308	2, 263	1, 627	504	306	352	1, 671
Mississippi.....	2, 046	1, 503	776	472	54	66	58	426
West South Central	68, 442	55, 745	33, 653	22, 838	3, 878	2, 789	2, 105	47, 000
Louisiana.....	10, 569	7, 667	5, 219	3, 964	1, 630	1, 232	1, 040	5, 488
Texas.....	36, 963	31, 605	17, 449	13, 296	1, 921	1, 195	853	20, 871
Oklahoma.....	17, 872	14, 657	10, 006	4, 993	208	265	160	19, 788
Arkansas.....	3, 038	1, 816	979	585	119	98	53	853
Mountain	24, 258	24, 841	10, 619	8, 484	1, 438	812	625	4, 048
Montana.....	2, 531	1, 690	751	636	80	102	120	506
Wyoming.....	723	570	346	335	29	26	60	137
Colorado.....	12, 048	15, 272	5, 148	3, 825	420	395	246	1, 879
New Mexico.....	858	608	356	251	67	82	21	224
Arizona.....	2, 827	2, 194	858	560	139	68	58	290
Utah.....	3, 122	2, 322	1, 396	857	104	59	51	579
Nevada.....	1, 321	1, 298	1, 299	1, 523	558	48	47	158
Idaho.....	828	685	465	467	41	32	20	225
Pacific	144, 903	108, 321	69, 323	55, 404	24, 433	20, 543	15, 308	47, 192
Washington.....	13, 644	10, 629	5, 371	3, 375	660	737	370	1, 880
Oregon.....	5, 376	4, 111	2, 383	1, 556	368	321	178	1, 111
California.....	125, 883	93, 582	61, 569	50, 473	23, 405	19, 484	14, 761	44, 201
Philippine Islands					325	333	357	328
Hawaii.....	5, 298	4, 382	3, 349	2, 663	218	434	437	405
Alaska.....	138	134	123	152	1	2	1	45

Source: Annual Report of the Commissioner of Internal Revenue

No 172.—INDIVIDUAL AND CORPORATION INCOME TAX RETURNS: SUMMARY

NOTE.—All money figures in thousands of dollars. Statistics are based on the taxpayers' returns as filed, unaudited except to insure proper execution of the return. Under the various revenue laws the following individuals were required to file personal returns: For 1913 to 1916, those with net income of \$3,000 and over, 1917 to 1924 and 1932, \$1,000 and over, 1925 to 1931, \$1,500 and over, or if married and living with husband or wife filing a joint return, \$2,000 for 1917 to 1923, \$2,500 for 1924 and 1932, and \$3,500 for 1925 to 1931; also, beginning 1921, individuals with gross income of \$5,000 or over regardless of net income. Data for returns of individuals showing no net income, filed in accordance with the latter provision, are not included in statistics shown. All income tax data include Alaska and Hawaii.

INDIVIDUAL INCOME TAX RETURNS

Calendar year	Number of returns			Net income	Tax before tax credits		Credits against tax ¹	Total tax, deducting tax credits
	Total	Taxable	Nontaxable		Normal tax	Surplus		
1913.....	357,598	-----	-----	3,900,000	12,728	15,525	-----	28,254
1914.....	357,515	-----	-----	4,000,000	16,559	24,487	-----	41,046
1915.....	336,652	-----	-----	4,600,000	23,996	43,948	-----	67,944
1916.....	437,036	362,970	74,066	6,298,578	51,441	121,940	-----	173,387
1917.....	3,472,890	2,707,234	765,656	13,652,383	156,897	433,340	-----	2,997,381
1918.....	4,425,114	3,392,863	1,032,251	15,924,639	476,433	831,289	-----	3,700,555
1919.....	5,332,760	4,231,131	1,101,579	19,859,491	468,105	801,525	-----	1,269,630
1920.....	7,259,944	5,518,310	1,741,634	23,735,629	478,250	596,804	-----	1,075,054
1921.....	6,662,176	3,589,985	3,072,191	19,577,212	308,059	411,328	-----	719,387
1922.....	6,787,481	3,681,249	3,106,232	21,336,213	355,410	474,581	31,066	861,057
1923.....	7,698,321	4,270,121	3,428,200	24,777,466	378,388	464,918	38,915	661,666
1924.....	7,869,788	4,489,698	2,880,090	25,656,153	257,795	437,541	48,603	704,265
1925.....	4,171,051	2,501,166	1,669,885	21,894,576	216,360	432,853	117,571	32,229
1926.....	4,138,092	2,470,990	1,667,102	21,958,506	200,599	448,330	112,510	28,969
1927.....	4,101,547	2,440,941	1,660,608	22,545,091	215,817	511,731	134,034	30,943
1928.....	4,070,851	2,523,063	1,547,788	25,226,327	281,895	688,825	233,451	39,916
1929.....	4,044,327	2,458,049	1,586,278	24,800,736	162,332	582,393	284,654	27,441
1930.....	3,707,609	2,037,645	1,669,864	18,118,635	129,475	316,816	65,422	34,998
1931.....	3,225,924	1,525,546	1,700,378	13,604,996	82,302	186,078	19,423	41,676
1931 (prel.) ⁴	3,116,917	1,455,007	1,661,310	13,231,352	80,389	182,902	19,033	41,042
1932 (prel.) ⁴	3,760,402	1,864,969	1,895,433	11,185,499	152,041	230,340	5,999	63,635

CORPORATION INCOME TAX RETURNS

Calendar year	Number of returns			Net income	Deficit	Tax		
	Total	Reporting net income	Reporting no net income ⁵			Total	Income tax	War and excess profits tax
1909.....	262,490	52,498	209,992	3,590,000	(8)	-----	-----	-----
1910.....	270,202	54,040	216,162	3,761,000	(8)	-----	-----	-----
1911.....	288,352	55,129	233,223	3,503,000	(8)	-----	-----	-----
1912.....	305,336	61,116	244,220	4,151,000	(8)	-----	-----	-----
1913.....	316,909	188,866	128,043	4,714,000	(8)	10 43,128	10 43,128	-----
1914.....	299,445	174,205	125,240	3,940,000	(9)	9 39,144	9 39,144	-----
1915.....	366,443	190,911	175,532	5,310,000	(9)	9 56,994	9 56,994	-----
1916.....	341,253	206,984	134,269	8,766,000	657,000	171,805	171,805	-----
1917.....	351,426	232,079	119,347	10,730,000	630,000	2,142,446	503,698	1,638,748
1918.....	317,579	202,061	115,518	8,361,511	689,772	3,158,764	653,198	2,505,566
1919.....	320,198	209,634	110,564	9,411,418	995,546	2,175,342	743,536	1,431,806
1920.....	345,595	203,233	142,362	7,902,655	2,029,424	1,625,235	636,508	988,726
1921.....	356,397	171,239	185,158	4,336,048	3,878,219	701,575	366,444	335,132
1922.....	382,833	212,535	170,348	6,963,811	2,193,776	783,776	775,310	8,460
1923.....	398,933	233,369	165,594	8,321,529	2,013,555	937,107	937,107	-----
1924.....	417,421	236,389	181,032	7,586,652	2,223,626	881,550	881,550	-----
1925.....	430,072	252,334	177,738	9,583,684	1,962,628	1,170,331	1,170,331	-----
1926.....	455,320	258,134	197,186	9,673,403	2,168,710	1,229,797	1,229,797	-----
1927.....	475,031	259,849	165,826	8,981,884	2,471,739	1,130,674	1,130,674	-----
1928.....	495,822	268,783	174,828	10,617,741	2,391,124	1,184,142	1,184,142	-----
1929.....	509,436	269,430	186,591	11,653,886	2,914,128	1,193,436	1,193,436	-----
1930.....	518,736	221,420	241,616	6,428,813	4,877,595	711,704	711,704	-----
1931.....	516,044	175,898	283,806	3,683,368	6,970,913	398,994	398,994	-----
1931 (prel.) ⁴	493,293	170,683	269,704	3,110,643	6,087,627	331,120	331,120	-----
1932 (prel.) ⁴	481,368	78,775	348,954	1,851,575	6,420,294	277,689	277,689	-----

¹ See Table 173 for items included² Includes war excess-profits taxes of \$101,250,000 on individuals and of \$103,388,000 on partnerships³ 25 per cent reduction provided for in revenue act of 1924⁴ Returns filed to Aug 31 of following year. Complete figures include additional returns filed from Sept 1 to Dec 31 and also final returns supplementing tentative returns which are not tabulated⁵ Includes inactive concerns prior to 1927⁶ Returns showing net income in excess of \$5,000 exemption⁷ Returns showing net income not in excess of \$5,000 exemption, or deficit⁸ Not available⁹ Receipts for year ended June 30 following year in stub as reported by Commissioner of Internal Revenue.¹⁰ Includes excise tax of \$10,071,000¹¹ Figures for 1915 contain approximately 30,000 returns which properly belong in 1914

Source Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

No. 173.—INDIVIDUAL INCOME TAX RETURNS: ANALYSIS

[All money figures, except as indicated, in millions of dollars See headnote, Table 172]

	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931
Total income.....	24,872	29,248	29,879	25,272	25,447	26,209	28,888	29,947	22,412	17,268
Wages and salaries.....	13,694	14,195	13,618	9,742	9,994	10,215	10,862	11,199	9,922	8,325
Business.....	2,840	4,723	4,755	3,689	3,573	3,287	3,244	3,379	2,628	1,890
Partnerships ¹	1,427	1,676	1,810	1,827	1,733	1,755	1,930	1,853	1,090	730
Profits from sales of real estate, stocks, bonds, etc., except as noted ²	742	863	1,125	1,992	1,466	1,813	2,928	2,338	637	302
Capital net gain from sale of assets held over 2 years.....	249	305	389	940	913	1,081	1,880	2,347	556	170
Rents and royalties.....	1,225	1,814	2,010	1,471	1,451	1,302	1,165	1,286	974	771
Dividends ³	2,664	3,120	3,251	3,465	4,012	4,235	4,351	4,786	4,197	3,114
Interest on Gov't obligations ⁴	34	44	30	26	37	47	41	40	38	25
Other interest and miscellaneous income.....	1,739	2,178	2,282	1,814	1,937	2,027	2,144	2,211	1,940	1,573
Fiduciary ⁵	258	329	310	306	333	421	444	508	429	369
General deductions.....	3,536	4,470	3,923	3,377	3,489	3,663	3,761	5,146	4,294	3,663
Contributions.....	425	535	533	442	484	508	533	529	425	328
Net loss from sale of real estate, stocks, bonds, etc. ⁶					178	228	172	996	1,233	1,161
Net loss from business and partnership.....	3,110	3,935	3,390	2,936						
All other.....					2,827	2,928	3,057	3,621	1,773	134
Net income.....	21,336	24,777	25,656	21,895	21,959	22,545	25,226	24,801	18,119	13,605
Net loss for prior year.....	45	34	30	32	27	37	34	29	40	44
Exemptions from normal tax.....										
Personal exemption and credit for dependents.....	14,702	17,275	16,329	12,228	12,124	12,001	11,859	11,933	11,010	9,682
Less exemptions in excess of net income.....	2,740	2,862	2,375	1,506	1,825	1,891	1,681	2,012	2,074	2,277
Dividends ³	2,664	3,120	3,251	3,465	4,012	4,255	4,351	4,786	4,197	3,114
Interest on Government obligations ⁴	34	44	30	26	37	47	41	40	38	25
Capital net gain from sale of assets held over 2 years.....	249	305	389	940	913	1,081	1,880	2,347	556	170
Less credits ⁷					9	12	69	53	15	15
Net exemptions.....	14,909	17,881	17,624	15,153	15,263	15,484	16,437	17,024	13,695	10,700
Net income subject to normal tax.....	6,382	6,862	8,003	6,710	6,689	7,024	8,755	7,747	4,384	2,861
Normal tax.....	355	7,284	258	216	201	216	282	162	129	82
Surtax.....	475	7,349	438	433	448	512	689	582	317	186
Tax on capital net gain from sale of assets held over 2 years (12½ percent).....	31	7,29	49	118	113	134	233	285	65	19
Less tax credits.....										
25 percent of tax on earned net income.....				31	25	25	35	22	25	17
12½ percent on net loss from sale of assets held more than 2 years ⁸			9	8		6	5	5	10	24
Net tax.....	861	662	704	735	732	831	1,164	1,002	477	246
Number of returns (thous.).....	6,787	7,698	7,370	4,171	4,138	4,102	4,071	4,044	3,708	3,226
Average net income per return.....	\$3,143	\$3,219	\$3,481	\$5,249	\$5,306	\$5,497	\$6,197	\$6,132	\$4,887	\$4,217
Average tax per return.....	\$127	\$86	\$96	\$176	\$177	\$203	\$286	\$248	\$129	\$76
Averages per capita of total population ⁹										
Net income returned.....	\$194	\$221	\$226	\$190	\$188	\$190	\$210	\$201	\$147	\$109
Tax.....	\$7.81	\$5.91	\$6.20	\$6.37	\$6.26	\$7.00	\$9.68	\$8.13	\$3.87	\$1.98

¹ Capital net gain from sale of assets held more than 2 years, dividends on stock of domestic corporations and taxable interest on obligation of the United States received through partnerships and fiduciaries are reported under their respective classifications

² Exclusive of amount taxed as capital net gain from sales of assets held over 2 years

³ On stocks of domestic corporations, dividends of foreign corporations included in miscellaneous income.

⁴ Interest on Government obligations not wholly exempt from tax

⁵ Other than reported for tax credit on capital net loss from sale of assets held more than 2 years

⁶ Loss in ordinary net income for given year and net loss for prior year deductible from capital net gain.

⁷ Tax after 25 percent reduction provided for in revenue act of 1924

⁸ Prior to 1924, net loss from sale of capital assets held over 2 years was included in general deductions

⁹ Averages for 1922 to 1928 computed by Bureau of Foreign and Domestic Commerce on basis of revised Census estimates of population

Source Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department

INCOME TAX RETURNS

No. 174.—INDIVIDUAL INCOME TAX RETURNS:

[All money figures, except average per return]

Division and State or Territory	Number of returns	Total income	Deductions including contributions	Net income ¹	Prior year loss deduction	Personal exemption and credit for dependents ²	Tax before tax credits	
							Normal tax	Surtax
Total.....	3, 225, 924	17, 268, 451	3, 663, 454	13, 604, 996	43, 754	9, 682, 141	82, 302	186, 078
New England.....	317, 683	1, 700, 229	324, 927	1, 375, 300	1, 965	914, 454	7, 582	18, 192
Maine.....	16, 218	91, 886	17, 115	74, 771	70	43, 189	430	1, 111
New Hampshire.....	12, 477	53, 549	9, 606	49, 243	11	35, 722	223	397
Vermont.....	7, 803	35, 549	5, 696	29, 853	8	23, 603	109	205
Massachusetts.....	193, 504	984, 875	183, 952	800, 923	1, 001	556, 774	4, 490	9, 305
Rhode Island.....	22, 375	138, 186	27, 026	111, 159	466	65, 609	688	2, 140
Connecticut.....	65, 306	390, 884	81, 532	309, 351	409	184, 559	1, 642	5, 034
Middle Atlantic.....	1, 080, 659	6, 554, 347	1, 466, 549	5, 087, 798	19, 770	3, 233, 831	35, 518	95, 428
New York.....	634, 057	4, 064, 223	955, 539	3, 108, 634	16, 432	1, 886, 544	23, 623	64, 771
New Jersey.....	178, 754	959, 213	173, 449	785, 764	1, 045	542, 748	4, 843	10, 642
Pennsylvania.....	267, 848	1, 530, 911	337, 511	1, 193, 400	2, 293	804, 539	7, 052	20, 015
East North Central.....	694, 406	3, 848, 434	739, 534	2, 808, 900	9, 616	2, 118, 154	15, 583	34, 799
Ohio.....	164, 809	870, 572	181, 220	689, 352	1, 357	506, 682	3, 519	7, 424
Indiana.....	54, 534	250, 547	46, 416	204, 131	338	168, 552	969	1, 757
Illinois.....	270, 759	1, 484, 519	302, 108	1, 182, 411	2, 836	815, 251	7, 791	15, 783
Michigan.....	119, 623	622, 253	141, 235	481, 018	4, 975	369, 628	2, 260	8, 167
Wisconsin.....	84, 681	320, 543	68, 555	251, 988	90	258, 061	1, 044	1, 668
West North Central.....	228, 894	1, 105, 572	223, 004	882, 569	2, 464	713, 394	4, 591	6, 478
Minnesota.....	52, 853	265, 842	52, 311	213, 531	483	162, 008	1, 161	1, 750
Iowa.....	29, 850	149, 349	30, 131	119, 218	1, 149	92, 369	588	674
Missouri.....	80, 356	418, 962	87, 479	331, 483	315	249, 968	1, 880	3, 217
North Dakota.....	7, 013	23, 427	4, 958	18, 470	100	23, 032	43	9
South Dakota.....	7, 387	27, 251	5, 120	22, 131	62	23, 577	76	42
Nebraska.....	23, 940	106, 469	20, 349	86, 120	125	76, 067	426	392
Kansas.....	27, 495	114, 272	22, 656	91, 616	230	86, 193	417	394
South Atlantic.....	262, 139	1, 351, 526	283, 001	1, 068, 525	2, 462	787, 227	5, 632	13, 830
Delaware.....	8, 284	76, 651	25, 606	51, 045	7	23, 983	222	2, 785
Maryland.....	60, 898	338, 760	61, 631	277, 129	414	183, 069	1, 747	4, 112
Dist. of Columbia.....	51, 920	236, 239	35, 611	200, 628	380	134, 113	1, 381	1, 906
Virginia.....	34, 689	161, 132	31, 767	129, 365	194	106, 356	575	890
West Virginia.....	22, 118	101, 231	20, 897	80, 334	105	68, 429	280	316
North Carolina.....	22, 625	124, 081	36, 038	88, 043	509	73, 463	308	1, 818
South Carolina.....	10, 536	44, 263	10, 404	33, 859	77	34, 092	130	108
Georgia.....	25, 729	131, 367	28, 460	102, 907	423	82, 638	470	583
Florida.....	25, 340	137, 802	32, 587	105, 215	353	81, 084	519	1, 312
East South Central.....	84, 528	389, 927	81, 942	307, 986	687	264, 232	1, 381	1, 980
Kentucky.....	26, 991	130, 056	26, 777	103, 280	122	81, 678	448	655
Tennessee.....	28, 117	134, 280	27, 029	107, 251	282	88, 609	536	922
Alabama.....	19, 532	89, 005	18, 696	70, 309	207	61, 565	325	374
Mississippi.....	9, 888	36, 586	9, 440	27, 146	76	32, 380	72	29
West South Central.....	156, 207	741, 498	177, 301	564, 197	2, 543	471, 892	3, 283	3, 026
Arkansas.....	9, 573	39, 667	10, 411	29, 256	219	32, 238	92	35
Louisiana.....	28, 934	137, 074	29, 401	107, 674	510	86, 570	609	437
Oklahoma.....	28, 242	126, 202	32, 608	93, 594	174	94, 108	474	461
Texas.....	89, 158	438, 555	104, 881	333, 673	1, 640	258, 916	2, 108	2, 093
Mountain.....	73, 396	319, 235	58, 498	260, 739	1, 049	225, 349	1, 109	1, 741
Montana.....	9, 722	40, 949	6, 282	34, 667	330	29, 836	129	115
Idaho.....	5, 864	21, 858	3, 508	18, 350	19	18, 230	51	5
Wyoming.....	5, 891	21, 443	3, 267	18, 177	20	18, 291	58	19
Colorado.....	25, 279	119, 651	22, 989	96, 662	301	77, 723	467	1, 029
New Mexico.....	5, 389	21, 915	3, 684	18, 231	136	16, 129	75	60
Arizona.....	8, 035	36, 006	7, 260	28, 746	95	23, 369	153	108
Utah.....	9, 785	40, 266	8, 393	31, 864	81	32, 436	90	133
Nevada.....	3, 431	17, 157	3, 115	14, 042	67	9, 335	86	272
Pacific.....	320, 684	1, 515, 516	300, 404	1, 215, 112	3, 200	929, 082	7, 444	9, 630
Washington.....	51, 781	210, 289	35, 431	174, 858	387	156, 582	671	662
Oregon.....	20, 181	89, 250	16, 095	73, 155	111	63, 060	341	209
California.....	248, 722	1, 215, 977	248, 878	967, 099	2, 702	709, 440	6, 432	9, 059
Hawaii.....	7, 328	42, 164	8, 295	33, 869	-----	24, 525	177	673

¹ See Note 1, Table 178.² Other items of income exempt from normal tax are shown by States in Table 175.³ Based on Bureau of the Census estimates, July 1, 1931.

ANALYSIS BY STATES AND TERRITORIES, 1931

and per capita tax, in thousands of dollars]

Tax, etc. Contd.	Tax credits		Net tax	Average per return		Tax per capita of total popu- lation	Per cent of popu- lation filing returns	Per cent of United States total				Division and State or Territory
	25 per cent of tax on earned net income	12½ per cent on capital net loss		Net in- come	Tax			Popu- lation	Re- turns	Net in- come	Tax	
19,423	17,491	24,185	246,127	\$4,217	\$76 30	\$1 98	2 59	100 00	100 00	100 00	100 00	Total
1,631	1,723	2,280	23,401	4,329	73 66	2 85	3.86	6 61	9 85	10.11	9.51	N. E
135	75	74	1,527	4,610	94 18	1 91	2.03	.64	50	.55	.62	Me
25	45	37	563	3,947	45 15	1.21	2.67	.38	39	.36	.23	N. H.
1	24	26	265	3,826	33 93	.74	2.17	.29	24	.22	.11	Vt
1,016	1,042	1,388	12,380	4,139	63 95	2 89	4.52	3 44	6 00	5.89	5.03	Mass.
83	144	169	2,599	4,968	116 14	3 74	3.22	.56	69	.82	1.06	R. I.
371	393	586	6,067	4,737	92 90	3 74	4.02	1 30	2 03	2 27	2.46	Conn.
8,581	7,494	15,233	116,802	4,708	108 08	4 40	4 07	21 34	33 50	37 40	47.46	M. A.
6,052	4,996	11,474	77,976	4,903	122 98	6 11	4 97	10 25	19 66	22 85	31 68	N. Y.
608	1,119	1,003	13,971	4,396	78 16	3 40	4 35	3 30	5 54	5 78	5 68	N. J.
1,921	1,379	2,756	24,855	4,455	92 79	2 56	2 76	7 79	8 30	8 77	10 10	Pa.
4,814	3,585	3,358	48,252	4,045	69 49	1 89	2 71	20 55	21 52	20 65	19.60	E. N. C.
460	866	794	9,743	4,183	59 12	1 45	2 45	5 39	5 11	5 07	3 96	Ohio
125	228	82	2,541	3,743	46 59	.78	1 67	2 62	1 69	1 50	1 03	Ind.
2,505	1,724	1,853	22,502	4,367	83 11	2 92	3 51	6 20	8 39	8 69	9 14	Ill.
1,566	534	431	11,028	4,021	92 19	2 24	2 43	3 96	3 70	3 54	4.48	Mich.
158	233	198	2,438	2,976	28 80	.82	2 86	2 38	2 63	1 85	.99	Wis.
692	1,048	628	10,081	3,856	44 04	.78	1 71	10 72	7 10	6.48	4.10	W. N. C.
51	275	248	2,445	4,040	46 27	.95	2 05	2 07	1 64	1 57	.99	Minn.
398	194	52	1,137	3,994	38 10	.46	1 21	1 99	.93	.88	.46	Iowa
3	9	301	4,748	4,125	59 08	1.30	2 20	2 93	2 40	2 44	1 93	Mo.
28	102	2	43	2,634	6 06	.06	1 03	.55	.22	.13	.02	N. D.
154	79	5	880	2,996	14 30	.15	1 06	.56	.23	.16	.04	S. D.
1,420	1,144	1,664	18,071	3,597	30 22	.52	1 73	1 11	.74	.63	.30	Nebr.
119	48	2	2	3,332	32 02	.47	1 46	1 51	.85	.67	.36	Kans.
360	324	366	5,528	4,076	68 94	1 13	1 65	12 79	8 12	7 85	7.34	S. A.
147	283	176	2,975	6,162	275 70	9 51	3 45	.19	.26	.37	.93	Del.
44	122	62	1,324	4,551	90 78	3 36	3 70	1 32	1.89	2 04	2.25	Md.
19	65	34	516	3,864	57 29	6 06	10 57	.40	1 61	1 47	1 21	D. C.
49	69	75	2,030	3,729	38 16	.54	1 43	1 95	1 07	.95	.54	Va.
108	112	53	1,188	3,632	23 31	.30	1 27	1 40	.68	.59	.21	W. Va.
574	93	93	2,220	3,891	89 74	.63	.70	2 58	70	65	.82	N. C.
151	285	74	3,154	3,214	18 79	.11	.60	1 40	.33	.25	.08	S. C.
22	96	17	1,013	4,000	38 74	.34	.88	2 34	.80	.76	.40	Ga.
82	104	22	1,414	4,152	87 59	1.47	1 68	1 21	.78	.77	.90	Fla.
47	71	35	640	3,844	37 31	.32	.85	8 00	2.62	2 26	1.28	E. S. C.
14	87	87	2,745	3,826	37 51	.39	1 03	2 11	.84	.76	.41	Ky.
815	529	97	6,496	3,814	50 28	.54	1 07	2 12	.87	.79	.57	Tenn.
19	46	892	3,721	3,600	32 79	.24	.73	2 14	.60	.51	.26	Ala.
39	100	11	862	2,745	8 82	.04	.49	1 63	.31	.20	.04	Miss.
775	302	40	4,634	3,612	41 59	.53	1 27	9 90	4 84	4 15	2 64	W. S. C.
133	216	159	2,808	2,963	10 92	.06	.53	1 50	.31	.22	.05	Ark.
25	9	9	210	3,721	30 83	.42	1 36	1 70	.90	.79	.36	La.
11	1	65	3,085	3,314	30 52	.36	1 17	1 95	.87	.69	.35	Okl.
95	91	122	1,378	3,742	51 98	.78	1 51	4 75	2 76	2 45	1 88	Tex.
26	13	5	117	3,552	35 53	.70	1 97	3 00	2 28	1 92	1 06	Mt.
3	23	7	196	3,566	38 16	.39	1 81	.43	.30	.25	.09	Mont.
9	15	3	349	3,129	7 85	.10	1 31	.36	.18	.14	.02	Idaho
1,174	1,424	679	16,444	3,085	11 09	.29	2 58	.19	.18	.13	.03	Wyo.
67	132	30	1,238	3,824	54 51	1 32	2 42	.84	.78	.71	.56	Colo.
14	75	15	474	3,383	21 77	.27	1 26	.34	.17	.13	.04	N. M.
1,093	1,217	634	14,732	3,578	30 78	.56	1 81	.36	.25	.21	.10	Ariz.
15	38	11	816	3,256	20 04	.38	1 91	.41	.31	.24	.08	Utah
				4,093	101 73	3 79	3 73	.07	.11	.11	.14	Nev.
				3,799	51 28	1 95	3 79	6 79	9 94	8 93	6 68	Pac. 4
				3,377	38 16	.76	3 16	1 32	1 60	1 29	.50	Wash. 4
				3,625	23 49	.49	2 09	.78	.63	.54	.19	Oreg.
				3,888	59 23	2 52	4 25	4 69	7 71	7 10	5 99	Calif.
				4,622	111.31	2 14	1 92	.30	.23	.25	.33	Hawan

* Includes figures for Alaska

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department,

No. 175.—INDIVIDUAL INCOME TAX RETURNS· INCOME DISTRIBUTED BY SOURCES, BY STATES AND TERRITORIES, 1931

[All figures in thousands of dollars For total income see Table 174]

Division and State or Territory	Wages and salaries	Business	Partner-ship	Profit from sale of real estate, stock, bonds, etc		Rents androy-alties	Divi-dends on stock of domestic corporations	Interest and other income ¹	Interest on Gov-ernment obligations ²
				Reported for tax on capital net gain	All other				
Total.....	8,325,162	1,889,759	729,523	169,949	301,664	770,764	3,113,861	1,942,442	25,325
New England.....	740,499	181,785	49,773	13,888	22,469	51,858	423,014	214,746	2,199
Maine.....	32,483	13,809	2,913	1,407	1,778	3,221	20,113	16,022	140
New Hampshire.....	22,912	9,245	2,227	204	626	2,475	13,873	7,144	144
Vermont.....	16,222	4,867	1,126	13	383	1,238	7,032	4,542	26
Massachusetts.....	448,601	106,696	30,405	8,628	11,998	25,094	220,246	123,155	1,152
Rhode Island.....	58,107	12,466	3,735	666	1,856	5,392	36,777	18,935	223
Connecticut.....	162,174	34,702	9,367	2,970	5,798	14,438	115,973	44,948	514
Middle Atlantic.....	3,056,104	636,543	298,660	75,340	114,219	193,684	1,317,312	854,229	8,259
New York.....	1,911,334	372,597	207,387	54,020	59,598	108,703	826,228	519,330	5,027
New Jersey.....	508,554	96,391	27,267	5,612	12,121	32,239	158,736	117,551	743
Pennsylvania.....	636,216	167,555	64,006	15,708	42,500	52,742	332,348	217,848	2,489
East North Central.....	1,904,855	357,488	121,426	41,669	49,373	162,788	580,823	323,461	6,613
Ohio.....	481,168	81,486	26,226	3,919	11,588	42,069	162,888	57,639	2,990
Indiana.....	139,412	32,767	10,569	1,028	3,273	13,097	34,942	14,552	906
Illinois.....	808,237	135,749	54,381	22,176	18,861	67,702	221,886	153,451	2,077
Michigan.....	309,215	65,031	18,470	13,285	11,398	26,929	118,982	58,588	386
Wisconsin.....	166,823	42,455	11,780	1,261	4,253	12,341	42,125	39,251	254
West North Central.....	549,670	159,574	52,813	5,668	12,731	62,800	154,127	106,543	2,147
Minnesota.....	137,163	34,560	12,349	463	2,471	10,177	41,553	26,674	432
Iowa.....	63,831	29,932	9,266	408	1,958	9,474	18,923	15,408	150
Missouri.....	226,761	39,141	15,133	3,232	4,868	20,940	68,765	38,833	1,289
North Dakota.....	12,332	5,062	1,362	-----	147	1,239	1,330	1,950	5
South Dakota.....	11,884	6,816	1,923	22	441	1,883	1,929	2,333	20
Nebraska.....	50,509	20,055	6,433	224	970	6,764	10,708	10,708	97
Kansas.....	47,190	24,008	6,347	1,319	1,876	11,823	10,919	10,637	154
South Atlantic.....	667,305	146,387	51,086	12,331	19,201	68,000	254,011	131,183	2,023
Delaware.....	20,792	4,526	1,427	1,284	1,016	1,728	38,188	7,631	60
Maryland.....	157,449	32,827	13,107	3,196	4,943	13,676	68,066	45,251	345
Dist of Columbia.....	142,122	25,073	7,937	1,175	3,766	9,736	24,580	21,526	324
Virginia.....	82,180	19,194	6,541	355	1,846	9,416	25,678	15,700	224
West Virginia.....	50,879	13,715	4,496	149	1,306	7,036	18,753	4,631	266
North Carolina.....	62,025	12,557	4,687	676	1,395	7,204	29,080	6,172	285
South Carolina.....	24,254	6,105	2,132	-----	525	2,694	4,376	4,132	44
Georgia.....	73,476	12,616	5,111	866	2,028	8,209	20,187	8,751	123
Florida.....	54,128	19,774	5,648	4,630	2,376	8,401	25,103	17,389	352
East South Central.....	202,165	47,162	21,071	1,274	5,693	23,131	54,005	34,795	630
Kentucky.....	64,106	15,507	6,055	177	1,846	7,236	23,537	11,210	381
Tennessee.....	72,026	15,879	6,925	688	2,307	7,445	17,580	11,264	166
Alabama.....	46,932	9,360	5,629	409	1,003	6,045	10,375	9,177	75
Mississippi.....	19,101	6,416	2,462	-----	537	2,405	2,513	3,144	8
West South Central.....	347,928	100,113	46,327	6,527	20,938	69,991	75,230	73,773	1,274
Arkansas.....	19,743	6,849	2,990	-----	295	3,480	2,564	3,724	24
Louisiana.....	70,187	15,326	7,177	8	2,356	10,239	16,365	15,193	223
Oklahoma.....	66,272	16,765	6,934	308	2,628	11,553	12,349	9,249	144
Texas.....	191,126	61,173	29,225	6,211	15,659	44,719	43,952	45,607	883
Mountain.....	153,540	53,453	14,969	1,065	5,898	17,180	40,189	32,598	428
Montana.....	22,653	6,004	1,874	-----	1,191	1,795	4,065	3,322	46
Idaho.....	11,242	5,082	940	-----	297	1,154	1,368	1,763	12
Wyoming.....	10,973	4,940	986	-----	221	1,150	1,447	1,708	20
Colorado.....	53,118	17,850	5,425	757	1,917	6,187	20,107	14,027	263
New Mexico.....	9,813	4,639	1,298	1	450	1,622	2,148	2,433	12
Arizona.....	17,026	5,997	1,705	208	1,085	2,803	2,983	4,182	16
Utah.....	22,139	5,976	1,460	24	419	1,551	5,415	3,246	26
Nevada.....	7,076	2,965	1,281	75	256	898	2,656	1,917	33
Pacific ³	684,209	202,857	72,438	12,071	50,580	119,764	204,436	167,419	1,740
Washington.....	114,192	34,074	8,324	2,665	2,975	10,003	20,412	17,442	203
Oregon.....	48,522	14,461	4,497	110	1,090	4,687	7,349	8,474	89
California.....	521,495	154,322	59,617	9,296	46,545	105,074	176,675	141,503	1,448
Hawai.....	19,489	4,399	963	116	623	2,137	10,713	3,710	14

¹ Includes fiduciary income² If not wholly exempt from tax³ Includes Alaska

No. 176.—INDIVIDUAL INCOME TAX RETURNS: BY STATES AND TERRITORIES, 1929 TO 1931

NOTE—See headnote Table 172 The net income here shown is subject to deduction of exemptions to give net income subject to tax, see Tables 173 and 174

[Net income and tax yield in thousands of dollars]

Division and State	Number of returns			Net income			Tax yield		
	1929	1930	1931	1929	1930	1931	1929	1930	1931
Total.....	4, 044, 327	3, 707, 509	3, 225, 924	24, 800, 736	18, 118, 635	13, 604, 996	1, 001, 938	478, 715	246, 127
New England.....	364, 946	341, 327	317, 683	2, 357, 829	1, 737, 544	1, 375, 300	95, 718	45, 467	23, 401
Maine.....	19, 173	17, 829	16, 218	116, 875	90, 691	74, 771	3, 562	1, 828	1, 527
N Hampshire.....	14, 341	13, 927	12, 477	74, 307	60, 015	49, 243	1, 735	952	563
Vermont.....	9, 586	8, 635	7, 803	49, 916	39, 259	29, 853	1, 020	627	265
Massachusetts.....	213, 310	202, 253	193, 504	1, 371, 652	1, 010, 334	800, 923	57, 857	26, 510	12, 380
Rhode Island.....	26, 481	23, 862	22, 375	184, 531	136, 571	111, 159	7, 851	4, 114	2, 599
Connecticut.....	82, 049	74, 821	65, 306	561, 548	400, 674	309, 351	23, 693	11, 436	6, 067
Middle Atlantic.....	1, 317, 752	1, 222, 012	1, 080, 659	9, 683, 848	6, 768, 177	5, 087, 798	531, 338	233, 554	118, 802
New York.....	757, 835	711, 566	634, 057	6, 253, 460	4, 189, 130	3, 108, 634	396, 087	163, 509	77, 976
New Jersey.....	195, 772	187, 943	178, 754	1, 212, 423	956, 733	785, 764	43, 956	23, 219	13, 971
Pennsylvania.....	364, 145	322, 503	267, 848	2, 217, 959	1, 620, 314	1, 193, 400	90, 695	40, 826	24, 855
E N Central.....	943, 114	835, 840	694, 406	5, 368, 055	3, 887, 832	2, 808, 900	189, 554	94, 064	48, 252
Ohio.....	215, 804	194, 600	164, 809	1, 259, 572	950, 397	689, 352	43, 634	21, 879	9, 743
Indiana.....	76, 493	65, 679	54, 534	366, 846	280, 940	204, 131	8, 208	5, 110	2, 541
Illinois.....	369, 855	327, 631	270, 759	2, 258, 946	1, 630, 447	1, 182, 411	86, 825	43, 703	22, 502
Michigan.....	177, 918	147, 364	119, 623	1, 029, 757	668, 391	481, 018	40, 600	17, 479	11, 278
Wisconsin.....	103, 044	95, 366	84, 681	450, 934	367, 657	251, 988	10, 287	5, 893	2, 438
W. N. Central.....	292, 229	260, 605	228, 894	1, 511, 458	1, 158, 682	882, 569	35, 110	18, 978	10, 081
Minnesota.....	60, 701	57, 539	52, 853	337, 881	266, 572	213, 531	9, 799	4, 744	2, 445
Iowa.....	45, 023	39, 917	29, 850	222, 103	174, 966	119, 218	3, 925	2, 356	1, 137
Missouri.....	98, 667	85, 507	80, 856	558, 128	419, 648	331, 483	16, 417	8, 750	4, 748
N Dakota.....	9, 170	8, 262	7, 013	31, 197	24, 478	18, 470	111	87	43
S Dakota.....	10, 449	9, 449	7, 387	40, 165	31, 454	22, 131	391	178	105
Nebraska.....	30, 862	27, 271	23, 940	140, 323	113, 985	89, 120	1, 919	1, 381	723
Kansas.....	37, 657	32, 600	27, 495	181, 661	127, 629	91, 016	2, 548	1, 450	880
South Atlantic.....	299, 378	288, 381	262, 139	1, 640, 527	1, 305, 428	1, 068, 595	54, 647	28, 448	16, 071
Delaware.....	9, 780	9, 342	8, 284	148, 850	64, 913	51, 045	14, 525	3, 928	2, 283
Maryland.....	68, 654	68, 426	60, 898	425, 186	354, 627	277, 129	15, 642	9, 796	5, 528
Dist of Col.....	48, 087	51, 044	51, 920	242, 283	217, 538	200, 628	6, 409	4, 201	2, 975
Virginia.....	38, 631	37, 915	34, 689	179, 294	156, 272	129, 365	3, 201	2, 051	1, 324
W Virginia.....	29, 803	27, 130	22, 118	136, 768	110, 726	80, 334	2, 269	1, 239	516
N Carolina.....	28, 860	25, 216	22, 625	130, 353	103, 625	88, 043	3, 283	2, 427	2, 030
S Carolina.....	13, 232	12, 179	10, 536	50, 257	42, 714	33, 859	506	305	198
Georgia.....	32, 289	28, 996	25, 729	163, 181	128, 081	102, 907	2, 786	1, 659	997
Florida.....	30, 040	28, 133	25, 340	164, 355	126, 910	105, 215	5, 936	2, 840	2, 220
E S. Central.....	110, 794	98, 455	84, 528	555, 520	409, 978	307, 986	11, 513	5, 487	3, 154
Kentucky.....	34, 623	31, 021	26, 991	191, 641	135, 088	103, 280	5, 077	1, 926	1, 013
Tennessee.....	34, 664	32, 682	28, 117	177, 868	140, 423	107, 251	3, 748	1, 955	1, 414
Alabama.....	25, 818	22, 605	19, 532	122, 569	93, 901	70, 309	2, 088	1, 334	840
Mississippi.....	15, 689	12, 147	9, 888	63, 922	40, 556	27, 146	600	252	87
W S Central.....	201, 461	183, 053	156, 207	1, 043, 491	788, 380	564, 197	22, 461	13, 892	6, 496
Arkansas.....	15, 813	12, 490	9, 873	68, 911	43, 283	29, 256	713	242	108
Louisiana.....	35, 093	32, 979	28, 934	170, 714	138, 836	107, 674	2, 860	1, 600	892
Oklahoma.....	37, 000	32, 526	28, 242	216, 347	157, 411	93, 594	6, 021	3, 417	862
Texas.....	113, 555	105, 058	89, 158	592, 519	448, 850	333, 673	12, 867	8, 633	4, 634
Mountain.....	103, 084	87, 943	73, 396	472, 202	351, 831	260, 739	7, 578	4, 897	2, 608
Montana.....	17, 067	11, 635	9, 722	71, 397	45, 495	34, 667	1, 019	461	210
Idaho.....	9, 830	7, 852	5, 864	38, 526	27, 757	18, 350	184	128	46
Wyoming.....	8, 140	6, 809	5, 891	30, 813	22, 980	18, 177	189	141	65
Colorado.....	31, 268	28, 986	25, 279	158, 752	125, 796	90, 062	3, 534	2, 440	1, 378
N Mexico.....	6, 874	6, 258	5, 389	30, 876	24, 971	18, 231	300	222	117
Arizona.....	12, 448	10, 590	8, 086	60, 788	42, 775	28, 746	1, 114	584	247
Utah.....	13, 163	11, 777	9, 785	59, 452	45, 369	31, 864	882	448	196
Nevada.....	5, 174	4, 006	3, 431	21, 598	16, 688	14, 042	358	473	349
Pacific.....	402, 481	382, 224	320, 694	2, 121, 515	1, 675, 538	1, 215, 112	52, 799	30, 960	16, 444
Washington.....	65, 240	63, 129	51, 781	302, 258	238, 858	174, 858	5, 775	2, 750	1, 238
Oregon.....	28, 194	26, 047	20, 181	129, 361	106, 076	73, 155	1, 664	1, 074	474
California.....	309, 047	293, 048	243, 722	1, 689, 896	1, 330, 604	967, 099	45, 360	27, 136	14, 732
Hawai.....	8, 210	7, 869	7, 328	43, 291	37, 246	33, 869	1, 220	972	816

¹ Includes Alaska

Source Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department

No 177.—INDIVIDUAL INCOME TAX RETURNS: BY INCOME CLASSES

NOTE.—See headnote, Table 172 The net income here shown is subject to deduction of exemptions to give net income subject to tax, see Tables 173 and 178

Income class (net income)	1925	1926	1927	1928	1929	1930	1931
Number of returns..	4, 171, 051	4, 138, 092	4, 101, 547	4, 070, 851	4, 044, 327	3, 707, 509	3, 225, 924
Under \$1,000.....	98, 178	119, 513	126, 745	111, 123	126, 172	150, 000	185, 391
\$1,000 to \$2,000.....	1, 071, 992	1, 045, 519	996, 098	918, 447	903, 082	909, 155	862, 153
\$2,000 to \$3,000.....	842, 528	837, 792	855, 762	837, 781	810, 347	767, 684	675, 019
\$3,000 to \$5,000.....	1, 327, 683	1, 240, 400	1, 209, 345	1, 192, 613	1, 172, 655	1, 070, 239	912, 630
\$5,000 to \$10,000.....	503, 652	560, 549	567, 700	628, 766	658, 039	550, 977	417, 655
\$10,000 to \$25,000.....	236, 779	246, 730	252, 079	270, 889	271, 454	198, 762	137, 754
\$25,000 to \$50,000.....	59, 721	57, 487	60, 123	68, 048	63, 689	40, 845	24, 308
\$50,000 to \$100,000.....	20, 958	20, 520	22, 573	27, 207	24, 073	13, 645	7, 830
\$100,000 to \$150,000.....	4, 759	4, 724	5, 261	7, 049	6, 376	3, 111	1, 634
\$150,000 to \$300,000.....	3, 223	3, 267	3, 873	5, 678	5, 310	2, 071	1, 056
\$300,000 to \$500,000.....	892	892	1, 141	1, 756	1, 641	552	268
\$500,000 to \$1,000,000.....	479	468	557	983	976	318	149
\$1,000,000 and over.....	207	231	290	511	513	150	77
In thousands of dollars							
Net income.....	21, 894, 576	21, 958, 506	22, 545, 091	25, 226, 327	24, 800, 736	18, 118, 635	13, 604, 996
Under \$1,000.....	58, 306	67, 238	72, 231	64, 535	73, 742	86, 892	106, 622
\$1,000 to \$2,000.....	1, 774, 601	1, 747, 917	1, 645, 576	1, 526, 832	1, 499, 908	1, 494, 526	1, 399, 430
\$2,000 to \$3,000.....	2, 047, 970	2, 042, 903	2, 062, 275	2, 030, 901	1, 958, 595	1, 864, 162	1, 641, 594
\$3,000 to \$5,000.....	5, 236, 003	4, 872, 789	4, 700, 816	4, 648, 098	4, 572, 596	4, 151, 967	3, 515, 716
\$5,000 to \$10,000.....	3, 463, 852	3, 838, 954	3, 895, 759	4, 282, 520	4, 481, 576	3, 723, 763	2, 807, 001
\$10,000 to \$25,000.....	3, 544, 898	3, 660, 623	3, 748, 058	4, 037, 853	4, 025, 233	2, 922, 750	2, 006, 721
\$25,000 to \$50,000.....	2, 032, 239	1, 954, 653	2, 051, 771	2, 326, 503	2, 174, 458	1, 383, 619	820, 648
\$50,000 to \$100,000.....	418, 948	1, 389, 339	1, 535, 387	1, 857, 878	1, 646, 470	919, 040	528, 049
\$100,000 to \$150,000.....	572, 860	570, 189	636, 018	850, 451	770, 536	374, 171	196, 598
\$150,000 to \$300,000.....	655, 300	661, 412	787, 270	1, 157, 131	1, 087, 410	419, 016	212, 059
\$300,000 to \$500,000.....	339, 774	340, 214	431, 122	663, 900	628, 229	207, 131	102, 186
\$500,000 to \$1,000,000.....	327, 368	317, 881	378, 167	670, 861	669, 878	211, 693	102, 311
\$1,000,000 and over.....	422, 457	494, 394	600, 641	1, 108, 863	1, 212, 099	359, 905	166, 060
Net tax ¹	734, 555	732, 471	830, 639	1, 164, 254	1, 001, 938	476, 715	246, 127
Under \$1,000.....	69	56	40	60	17	38	24
\$1,000 to \$2,000.....	1, 704	1, 761	1, 234	1, 550	553	1, 269	943
\$2,000 to \$3,000.....	3, 809	4, 217	3, 971	4, 317	1, 404	3, 310	2, 466
\$3,000 to \$5,000.....	8, 326	7, 245	6, 508	7, 475	2, 413	5, 352	3, 832
\$5,000 to \$10,000.....	19, 149	20, 272	20, 664	22, 896	9, 551	17, 448	12, 407
\$10,000 to \$25,000.....	74, 172	72, 465	74, 226	82, 758	59, 893	49, 561	31, 897
\$25,000 to \$50,000.....	120, 689	112, 797	119, 475	136, 568	113, 904	72, 708	40, 096
\$50,000 to \$100,000.....	147, 843	140, 947	156, 675	194, 447	160, 813	87, 379	44, 780
\$100,000 to \$150,000.....	79, 472	77, 900	87, 398	116, 855	99, 560	48, 749	23, 135
\$150,000 to \$300,000.....	103, 059	103, 997	123, 776	182, 514	159, 221	62, 463	28, 793
\$300,000 to \$500,000.....	55, 722	55, 256	73, 750	113, 250	97, 336	33, 053	15, 411
\$500,000 to \$1,000,000.....	53, 674	53, 665	64, 265	116, 424	106, 219	34, 289	15, 457
\$1,000,000 and over.....	66, 867	81, 893	98, 657	185, 140	191, 054	61, 098	26, 886
Average tax rate on net income, per cent.....	3.35	3.34	3.68	4.62	4.04	2.63	1.81
Under \$1,000.....	.12	.08	.06	.09	.02	.04	.02
\$1,000 to \$2,000.....	.10	.10	.07	.10	.04	.08	.07
\$2,000 to \$3,000.....	.19	.21	.19	.21	.07	.18	.15
\$3,000 to \$5,000.....	.16	.15	.14	.16	.05	.13	.11
\$5,000 to \$10,000.....	.55	.52	.53	.53	.21	.47	.44
\$10,000 to \$25,000.....	2.09	1.98	1.98	2.05	1.49	1.70	1.59
\$25,000 to \$50,000.....	5.94	5.77	5.82	5.87	5.24	5.25	4.89
\$50,000 to \$100,000.....	10.42	10.14	10.20	10.47	9.77	9.51	8.48
\$100,000 to \$150,000.....	13.87	13.66	13.74	13.74	12.92	13.03	11.77
\$150,000 to \$300,000.....	15.73	15.72	15.72	15.77	14.64	14.91	13.58
\$300,000 to \$500,000.....	16.40	16.24	17.11	17.06	15.49	15.96	15.08
\$500,000 to \$1,000,000.....	16.39	16.85	16.99	17.35	15.86	16.20	15.11
\$1,000,000 and over.....	15.83	16.56	16.42	16.70	17.76	16.98	16.19

¹ Includes normal tax, surtax, and tax on capital net gain from sale of assets held more than 2 years less tax credit on capital net loss from sale of assets held more than 2 years and tax credit of 25 per cent of tax on earned net income. See Table 178.

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

No. 178.—INDIVIDUAL INCOME TAX RETURNS. ANALYSIS, BY INCOME CLASSES, 1931

[All money figures, except average tax per return, in thousands of dollars]

Net income class (thousands of dollars)	Number of returns	Total income	General deductions, including contributions	Net income ¹	Net loss for prior year	Exemptions from normal tax			
						Personal exemption	Dividends ²	Interest on Govt obligations ³	Capital net gain ⁴
Total.....	3, 225, 924	17, 268, 451	3, 663, 454	13, 604, 996	43, 754	9, 682, 141	3, 113, 861	25, 325	169, 949
Under 1, free ⁵	178, 561	8, 256, 869	1, 593, 506	102, 902	-----	496, 745	530, 187	-----	-----
Under 1, taxed.....	6, 830			3, 720	-----	3, 720			
1-2, free ⁵	509, 357			788, 777	-----	1, 451, 112			
1-2, taxed.....	352, 796			610, 654	-----	521, 557			
2-3, free ⁵	397, 807			982, 588	-----	1, 453, 989			
2-3, taxed.....	277, 212			659, 006	-----	1, 421, 550			
3-4, free ⁵	423, 104			1, 477, 173	-----	1, 660, 132			
3-4, taxed.....	151, 496			542, 500	-----	373, 634			
4-5, free ⁵	137, 789			599, 457	-----	587, 622			
4-5, taxed.....	200, 241			896, 586	-----	670, 256			
5-6, free ⁵	23, 544	1, 097, 789	200, 321	127, 342	-----	90, 845	110, 586	-----	-----
5-6, taxed.....	141, 011			770, 125	-----	504, 383			
6-10, free ⁵	30, 216			229, 739	-----	93, 474			
6-10, taxed.....	222, 884			1, 679, 795	-----	792, 659			
10-25.....	137, 754	2, 664, 228	657, 507	2, 006, 721	9, 281	453, 407	715, 012	12, 434	-----
25-50.....	24, 308	1, 081, 704	261, 056	820, 648	6, 935	73, 453	413, 903	6, 503	4, 337
50-100.....	7, 830	1, 715, 692	187, 043	528, 649	5, 893	22, 369	338, 382	3, 610	25, 004
100-150.....	1, 634	264, 113	67, 515	196, 598	2, 310	4, 307	147, 021	1, 203	19, 000
150-300.....	1, 056	298, 262	86, 202	212, 059	4, 809	2, 695	168, 105	677	34, 556
300-500.....	268	140, 173	37, 886	102, 186	2, 732	613	80, 440	377	23, 215
500-1,000.....	149	141, 346	39, 035	102, 311	2, 406	341	90, 902	304	24, 640
1,000 and over.....	77	203, 303	37, 243	166, 060	3, 395	171	143, 154	217	39, 844

Net income class (thousands of dollars)	Tax before tax credits			Tax credits		Net tax	Average tax per return (dollars)	Average rate of tax on net income (per cent)	Per cent distribution		
	Normal tax	Surplus	12½ per cent on capital net gain ⁶	25 per cent of tax on earned net income	12½ per cent on capital net loss ⁷				Re-turns	Net income	Net tax
Total.....	82, 302	186, 078	19, 423	17, 491	24, 185	246, 127	76 30	1 81	100 00	100 00	100 00
Under 1, free ⁵	-----	-----	-----	8	-----	24	3 46	64	5 76	78	-----01
Under 1, taxed.....	32	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
1-2, free ⁵	-----	-----	-----	314	-----	943	2 67	15	26 73	10 28	-----38
1-2, taxed.....	1, 257	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
2-3, free ⁵	-----	-----	-----	822	-----	2, 466	8 90	37	20 92	12 06	-----1 00
2-3, taxed.....	3, 288	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
3-4, free ⁵	-----	-----	-----	549	-----	1, 647	10 87	30	17 81	14 85	-----67
3-4, taxed.....	2, 197	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
4-5, free ⁵	-----	-----	-----	728	-----	2, 184	10 91	24	10 48	11 00	-----89
4-5, taxed.....	2, 913	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
5-6, free ⁵	-----	-----	-----	858	-----	2, 653	18 82	34	5 10	6 60	-----1 08
5-6, taxed.....	3, 511	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
6-10, free ⁵	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
6-10, taxed.....	12, 290	-----	-----	2, 536	-----	9, 754	43 76	58	7 84	14 04	-----3 96
10-25.....	26, 578	11, 616	-----	6, 298	-----	31, 897	231 55	1 59	4 27	14 75	-----12 96
25-50.....	15, 295	29, 978	517	3, 553	2, 141	40, 096	1, 649 48	4 89	75	6 03	-----16 29
50-100.....	8, 620	41, 710	2, 990	1, 319	7, 221	44, 780	5, 719 02	8 48	24	3 88	-----18 19
100-150.....	2, 376	22, 473	2, 290	275	3, 729	23, 135	14, 158 66	11 77	.05	1 45	-----9 40
150-300.....	2, 205	27, 949	3, 430	167	4, 623	28, 793	27, 266 28	13 58	03	1 56	-----11 70
300-500.....	803	13, 814	2, 557	39	1, 723	15, 411	57, 504 41	15 08	01	.75	-----6 26
500-1,000.....	522	14, 404	2, 812	17	2, 264	15, 457	103, 737 89	15 11	(⁸)	.75	-----6 28
1,000 and over.....	415	24, 134	4, 827	6	2, 484	26, 886	349, 165 23	16 19	(⁹)	1 22	-----10 92

¹ Capital net gain from sale of assets held more than 2 years is included in net income, but capital net loss from sale of assets held more than 2 years and net loss for prior year are not deducted

² On stock of domestic corporations

³ If not wholly exempt from tax

⁴ Relates to net gain from sale of assets held more than 2 years and is the excess of the total capital gain over capital losses. This amount less certain allowable deductions (see Table 173) is subject to a special tax.

⁵ Specific exemptions exceed net income

⁶ Tax of 12½ per cent on capital net gain from sale of assets held more than 2 years after deducting credits against this item. See note 4 and Table 173

⁷ Capital net loss from sale of assets held more than 2 years

⁸ Less than five-thousandths of 1 per cent

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

No. 179.—INDIVIDUAL INCOME TAX RETURNS. PERCENTAGE OF TOTAL INCOME DERIVED FROM EACH SOURCE BY INCOME CLASSES, 1931

Net income class (thousands of dollars)	Total income ¹	Wages and salaries	Business	Partnership	Profit from sale of real estate, stocks, bonds, etc		Rents and royalties	Dividends on stock of domestic corporations	Interest on Govt obligations not wholly exempt from tax	Other interest and miscellaneous income ²
					Reported for tax on capital net gain	All other				
Total -----	100 00	43. 21	10 84	4 23	0 93	1 75	4 46	13 03	0 15	11 25
Under 5 (est.) ..	100 00	60 62	13 60	2 87	-----	1 27	5 63	6 42	-----	9 59
5-10 ..	100 00	51. 69	12 34	5 14	-----	1 56	3 99	13 87	-----	11 41
10-25 ..	100 00	36 92	8 64	5 98	-----	2 72	3 73	26 84	-----	14 71
25-50 ..	100 00	26 07	5 63	6 40	40	3 64	3 24	38 27	60	15 74
50-100 ..	100 00	19 69	3 80	6 59	3 50	1 73	2 46	47 28	51	14 40
100-150 ..	100 00	15 83	2 43	5 21	7 21	1 53	1 70	55 67	46	10 41
150-300 ..	100 00	11 55	1 91	5 57	11 52	1 83	1 03	56 69	23	9 02
300-500 ..	100 00	11 14	1 52	2 27	16 56	2 09	2 44	57 38	27	6 33
500-1,000 ..	100 00	5 27	1 08	1 84	17 43	1 44	99	64 31	22	7 42
1,000 and over ..	100 00	2 44	. 00	-----	19 35	1 41	15	70 41	11	6 07

¹ For amount of total income by income classes and of total income from each source see Tables 177 and 175, respectively

² Includes fiduciary and miscellaneous income and interest other than tax exempt

No. 180.—INDIVIDUAL INCOME TAX RETURNS: ¹ By FAMILY RELATIONSHIP

	1926	1927	1928	1929	1930	1931
Number of returns ..	4, 138, 092	4, 101, 547	4, 070, 851	4, 044, 327	3, 707, 503	3 225, 924
Joint returns of husbands and wives ² ..	2, 017, 182	2, 016, 850	1, 976, 954	1, 973, 864	1, 864, 229	1, 640, 523
Wives filing separate returns ..	113, 550	112, 719	124, 208	116, 265	104, 325	88, 238
Single men, heads of families ..	268, 090	302, 821	286, 873	290, 118	263, 180	237, 157
Single women, heads of families ..	100, 284	103, 430	105, 194	107, 867	107, 117	104, 649
All other men ..	1, 146, 871	1, 109, 676	1, 079, 948	1, 055, 604	894, 706	700, 951
All other women ..	449, 727	431, 709	456, 757	457, 822	439, 205	415, 061
Community property income ..	42, 388	24, 282	40, 917	42, 789	34, 747	24, 345
Net income (1,000 dollars) ..	21, 958, 508	22, 645, 091	25, 226, 328	24, 800, 736	18, 118, 635	13, 604, 998
Joint returns of husbands and wives ² ..	13, 555, 920	13, 870, 232	15, 269, 775	14, 853, 469	10, 882, 726	8, 210, 345
Wives filing separate returns ..	1, 110, 206	1, 219, 714	1, 525, 671	1, 476, 321	915, 035	591, 013
Single men, heads of families ..	1, 102, 102	1, 211, 235	1, 230, 921	1, 257, 884	986, 809	782, 805
Single women, heads of families ..	436, 422	463, 327	502, 098	517, 515	435, 463	363, 809
All other men ..	3, 639, 034	3, 700, 791	3, 944, 632	3, 879, 011	2, 755, 809	1, 961, 087
All other women ..	1, 750, 900	1, 770, 517	2, 043, 223	2, 168, 737	1, 704, 168	1, 402, 287
Community property income ..	363, 922	309, 274	660, 106	647, 799	438, 625	293, 040

¹ See headnote, Table 172

² Includes returns of husbands whose wives, though living with them, file separate returns

Source of Tables 179 and 180 Statistics of income, Reports of the Commissioner of Internal Revenue.

No. 181.—CORPORATION INCOME TAX RETURNS. RECEIPTS, DEDUCTIONS, PROFITS, AND TAX, ALL CORPORATIONS, 1921 TO 1931

[All money figures in millions of dollars]

Year	Number of returns	Total compiled receipts ¹	Gross sales ²	Gross profits other than from sales	Miscellaneous receipts	Tax-exempt income		Total statutory deductions	Cost of goods sold	Interest paid
						Dividends from other corporations ³	Interest on tax-exempt obligations ⁴			
1921 ..	356, 397	91, 438	-----	-----	-----	509	189	90, 282	53, 328	3, 141
1922 ..	382, 883	101, 315	75, 228	18, 609	6, 281	803	394	95, 347	57, 413	3, 069
1923 ..	398, 933	119, 020	91, 435	19, 710	6, 549	870	456	111, 386	69, 620	3, 278
1924 ..	417, 421	119, 747	91, 908	19, 220	7, 187	915	517	112, 952	71, 739	3, 445
1925 ..	430, 072	134, 780	101, 476	(⁵)	⁵ 31, 609	1, 175	520	125, 464	80, 652	3, 617
1926 ..	455, 320	142, 629	106, 206	⁵ 9, 332	⁵ 25, 085	1, 506	500	133, 119	82, 484	3, 980
1927 ..	475, 031	144, 899	106, 864	⁵ 9, 420	⁵ 26, 457	1, 658	501	136, 230	83, 487	4, 375
1928 ..	495, 892	153, 375	112, 436	⁵ 10, 334	⁵ 28, 095	1, 917	593	142, 638	87, 265	4, 581
1929 ..	509, 436	161, 158	118, 101	28, 598	11, 329	2, 593	537	149, 289	91, 076	4, 925
1930 ..	518, 736	136, 598	97, 941	25, 267	10, 283	2, 571	536	131, 940	76, 190	4, 861
1931 ..	516, 404	108, 057	75, 494	21, 945	8, 107	1, 969	542	108, 834	58, 774	4, 492

For footnotes see p 181

No. 181.—CORPORATION INCOME TAX RETURNS, RECEIPTS, DEDUCTIONS, PROFITS AND TAX, ALL CORPORATIONS, 1921 TO 1931—Continued

[All money figures in millions of dollars]

Year	Taxes other than income tax	Depreciation and depletion	Miscellaneous deductions	Compiled net profit ⁶	Statutory net income less statutory deficit	Net loss for prior year ⁷	Total tax	Compiled net profit less total tax	Dividends paid ⁸	
									Cash	Stock
1921-----	1,473	2,573	29,767	1,156	458	-----	⁹ 702	454	-----	-----
1922-----	1,518	2,889	30,458	5,967	4,770	502	⁹ 784	5,183	3,437	3,948
1923-----	1,635	3,116	33,736	7,634	6,308	578	937	6,697	4,169	891
1924-----	1,670	3,187	32,911	6,795	5,363	220	882	5,914	4,339	511
1925-----	(¹⁰)	3,330	37,865	9,316	7,621	243	1,170	8,146	5,189	544
1926-----	1,878	3,841	40,927	9,510	7,505	236	1,230	8,281	5,945	758
1927-----	2,014	3,848	42,506	8,669	6,510	244	1,131	7,538	6,423	703
1928-----	2,203	4,112	44,477	10,737	8,227	301	1,184	9,553	7,074	550
1929-----	2,222	4,430	46,636	11,870	8,740	392	1,193	10,676	8,356	1,289
1930-----	2,397	4,449	44,142	4,650	1,651	158	712	3,947	8,202	414
1931-----	2,231	4,270	39,067	¹¹ 777	¹¹ 5,288	136	399	¹¹ 1,176	6,151	164

¹ Includes net profit from sale of real estate, stocks, bonds, etc., and other capital assets, but not gross receipts from these items. Nontaxable income items of major importance only, interest on tax-exempt obligations and dividends on stock of domestic corporations, are included.

² Cost of goods sold is shown under statutory deductions.

³ Dividends from domestic corporations except for 1921 which includes dividends from foreign corporations.

⁴ Includes obligations of States and Territories or minor political subdivisions, securities issued under the Federal Farm Loan Act, and obligations of the United States or its possessions.

⁵ For 1925, profits from operations other than from gross sales for all corporations were tabulated in "Miscellaneous receipts". For the years 1926, 1927, and 1928, such profits for corporations classified under "Transportation and other public utilities", "Service", "Finance", and "Nature of business not given" only were included in "Miscellaneous receipts".

⁶ Compiled receipts less statutory deductions.

⁷ Deducted by concerns reporting net income.

⁸ Excludes dividends of life insurance companies. Data were not compiled for 1921.

⁹ Includes war and excess-profits tax. ¹⁰ Included in "Miscellaneous deductions". ¹¹ Deficit.

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

No. 182.—CORPORATION INCOME TAX RETURNS: RECEIPTS, DEDUCTIONS, PROFITS, AND TAX, BY INDUSTRIAL GROUPS, 1931

[All figures in millions and tenths of millions of dollars]

	All corporations ¹	Agriculture	Mining and quarrying	Manufacturing						
				Total ²	Food	Tobacco products	Textiles	Leather	Rubber	Forest products
Compiled receipts, total ³ -----	108,057 0	492 7	2,237 2	44,108 5	9,360 9	1,184 7	5,306 1	1,110 5	817 1	1,349 2
Gross sales-----	75,494 3	330 0	1,981 5	41,977 5	9,168 6	1,163 7	5,193 2	1,088 8	784 8	1,284 7
Gross profits other than from sales-----	21,944 8	121 1	108 0	632 3	43 0	3 1	25 7	3 1	6 0	12 9
Interest-----	4,122 1	8 0	24 4	318 8	31 4	4 3	18 0	3 8	8 7	12 5
Rents-----	2,250 6	10 6	24 8	151 6	20 2	8	17 2	2 6	3 8	8 7
Profit, sale of capital assets-----	298 6	4 0	18 6	63 5	7 7	2	2 2	8	1	6 5
Miscellaneous receipts-----	1,435 6	13 0	37 2	497 9	52 1	4 3	37 3	9 7	8 2	17 5
Tax-exempt income										
Dividends of other domestic corporations-----	1,969 2	5 3	34 8	391 7	31 6	7 4	7 4	1 0	5 0	5 1
Interest on tax-exempt obligations ⁴ -----	541 7	8	7 9	75 2	6 2	9	5 0	6	5	1 4
Statutory deductions, total-----	108,833 6	571 5	2,449 3	44,484 6	9,199 6	1,089 6	5,558 4	1,143 5	835 8	1,527 0
Cost of goods sold-----	58,773 8	257 4	1,488 7	32,076 4	7,260 9	865 3	4,386 4	912 1	578 9	1,076 9
Compensation of officers-----	2,697 9	20 0	45 0	935 3	116 4	10 4	162 3	28 2	8 8	52 1
Interest paid-----	4,491 9	27 0	86 0	606 7	83 1	6 2	47 6	7 3	20 3	35 2
Taxes paid ⁴ -----	2,230 7	21 1	73 9	565 5	68 1	9 2	47 2	7 6	7 9	30 6
Bad debts-----	1,182 7	6 0	14 2	315 1	36 4	2 0	44 4	12 6	9 8	21 6
Depreciation and depletion-----	4,270 2	39 5	302 6	1,846 6	208 8	8 2	148 0	16 4	39 7	80 6
Loss, sale of capital assets-----	1,702 3	9 8	30 7	266 5	45 1	6	32 4	3 4	2 6	7 0
Miscellaneous deductions-----	33,484 1	190 7	408 1	7,852 1	1,350 9	137 7	690 1	155 9	167 8	223 3
Compiled net profit or deficit-----	⁵ 776 6	⁵ 78 7	⁵ 212 0	⁵ 556 1	181 3	145 2	⁵ 252 3	⁵ 33 0	⁵ 18 7	⁵ 177 8
Deduct tax-exempt items-----	2,510 9	6 0	42 8	466 8	37 8	8 3	12 5	1 6	5 4	6 4
Statutory net income less net deficit-----	⁵ 3,287 6	⁵ 84 8	⁵ 254 8	⁵ 823 0	123 4	136 9	⁵ 264 7	⁵ 34 6	⁵ 24 2	⁵ 184 2
Net loss for prior year-----	136 0	1 4	6 3	50 0	11 6	1	10 2	1 3	2 4	1 5
Total tax-----	399 0	1 2	7 2	165 3	36 8	17 1	7 4	3 3	1 4	1 4
Compiled net profit less total tax-----	⁵ 1,175 6	⁵ 79 9	⁵ 219 3	⁵ 521 4	124 4	128 1	⁵ 259 6	⁵ 36 4	⁵ 20 1	⁵ 179 1

For footnotes see p 182

No. 182.—CORPORATION INCOME TAX RETURNS: RECEIPTS, DEDUCTIONS, PROFITS, AND TAX, BY INDUSTRIAL GROUPS, 1931—Continued

[All figures in millions and tenths of millions of dollars]

	Manufacturing—Continued					Con- struction	Public utili- ties ^a	Trade	Pub- lic serv- ice	Finance
	Paper	Print- ing	Chem- icals	Stone, etc	Metals					
Compiled receipts, total ¹	1,273.6	2,289.9	17,339.5	1,043.5	11,550.8	2,239.6	13,418.9	30,605.6	3,680.8	11,236.8
Gross sales	1,216.8	2,145.2	16,612.9	1,009.2	10,906.5	1,700.9	13,418.9	29,504.4	3,680.8	11,236.8
Gross profits other than from sales	4.2	68.2	288.3	4.1	163.7	44.5	12,157.5	366.3	3,394.4	74,689.8
Interest	21.8	10.5	86.4	6.2	101.5	20.0	298.9	120.3	38.8	3,291.1
Rents	3.1	22.1	28.5	3.8	34.4	19.0	167.3	144.5	131.9	1,600.2
Profit, sale of cap. assets	1.2	2.6	14.0	1.3	25.0	4.4	18.7	40.5	7.7	140.9
Miscellaneous receipts	15.5	20.5	85.3	11.9	208.7	24.6	128.6	370.1	64.5	298.6
Tax-exempt income										
Dividends of other domestic corporations	9.5	16.5	209.0	5.0	74.0	21.0	614.9	47.3	42.0	809.3
Interest on tax-exempt obligations ²	1.6	3.6	15.1	2.1	36.8	4.0	33.1	12.1	1.6	407.0
Statutory deductions, total	1,278.9	2,230.9	17,182.7	1,074.0	11,845.7	2,244.9	12,473.5	31,111.5	3,760.6	11,706.9
Cost of goods sold	924.3	1,485.8	14,503.9	715.6	8,367.5	1,400.8	23,550.5	28,550.5	3,760.6	11,706.9
Compensation of officers	33.5	109.5	81.0	34.8	236.4	129.6	96.4	775.3	192.2	500.7
Interest paid	39.7	32.3	147.0	18.0	148.5	35.2	1,626.4	217.8	135.8	1,755.4
Taxes paid ⁴	19.5	22.0	148.4	14.9	175.8	14.2	733.8	206.1	81.3	533.4
Bad debts	6.0	26.2	39.6	10.0	87.2	20.2	47.8	284.2	26.3	487.3
Depreciation and depletion	67.4	68.7	528.2	77.2	553.0	69.8	1,146.1	318.9	191.2	354.2
Loss, sale of cap. assets	4.1	15.1	20.3	5.6	110.7	24.0	82.2	140.1	49.7	1,088.5
Misc. deductions	184.4	47.2	1,714.4	197.8	2,166.7	551.0	8,741.0	5,638.5	3,084.0	9,687.4
Compiled net profit or deficit	\$ 5.2	\$ 8.1	\$ 156.7	\$ 30.5	\$ 295.0	\$ 5.3	\$ 945.3	\$ 605.9	\$ 79.8	\$ 470.1
Deduct tax-exempt items	11.1	20.1	224.1	7.0	110.7	25.0	648.0	59.4	43.6	1,216.2
Statutory net income less net deficit	\$ 16.3	\$ 38.0	\$ 67.4	\$ 37.5	\$ 405.7	\$ 30.3	\$ 297.4	\$ 555.4	\$ 123.4	\$ 1,686.3
Net loss for prior year	1.0	2.4	4.8	1.7	10.6	9.0	10.8	19.2	6.9	32.4
Total tax	4.2	12.9	29.4	4.6	40.6	7.6	105.6	45.7	11.1	55.2
Compiled net profit less total tax	\$ 9.5	\$ 45.2	\$ 127.3	\$ 35.1	\$ 335.6	\$ 12.9	\$ 839.8	\$ 551.7	\$ 90.8	\$ 525.3

¹ Includes data for corporations which did not report the nature of their business² Total includes "all other manufacturing" not shown separately.³ See note on corresponding item, Table 181 ⁴ Taxes other than income tax⁵ Deficit ⁶ Including transportation⁷ Includes for a limited number of returns the cost of securities purchased for customers.⁸ Includes special nonexpense deductions of life insurance companies

No. 183.—GROSS INCOME OF CORPORATIONS: BY INDUSTRIAL GROUPS

NOTE.—In millions of dollars. Gross income excludes nontaxable income, except dividends on capital stock of domestic corporations, but includes receipts from all other sources. Sales are included on a gross basis, but only net profits from the sale of real estate, stocks, bonds, and other capital assets are included. Data are not comparable with "total income" of individuals shown in other tables. See also Table 182

Industrial group	1924	1925	1926	1927	1928	1929	1930	1931
Total	119,229	134,260	142,130	144,398	152,781	160,622	136,062	107,515
Agriculture and related industries	810	794	864	822	825	882	671	492
Mining and quarrying	4,849	4,925	4,548	3,837	3,589	4,048	2,999	2,229
Manufacturing, total	53,911	60,830	62,495	63,722	67,273	72,133	58,650	44,033
Food products, including beverages	11,847	13,400	12,316	13,486	13,049	13,497	12,015	9,355
Tobacco products	7,189	7,716	7,753	7,807	7,837	8,233	6,417	5,301
Textiles and their products	1,507	1,515	1,661	1,731	1,722	1,741	1,389	1,110
Leather and its manufactures	1,122	1,469	1,600	1,447	1,386	1,427	1,100	817
Rubber products	2,835	2,968	3,069	2,804	2,842	2,795	1,988	1,348
Forest products	1,364	1,491	1,652	1,669	1,728	1,796	1,579	1,272
Paper, pulp, and products	2,166	2,282	2,547	2,566	2,680	2,871	2,663	2,285
Chemicals and allied products	5,890	7,065	8,090	8,768	9,551	10,288	9,727	7,324
Stone, clay, and glass products	1,383	1,502	1,665	1,600	1,655	1,655	1,409	1,041
Metal and its products	15,939	19,110	18,454	19,185	21,174	24,093	17,198	11,514
All other manufacturing	2,668	2,311	2,527	2,229	2,449	2,466	1,994	1,482
Construction	2,210	2,306	2,816	3,056	2,978	3,082	3,042	2,236
Transportation and public utilities ¹	10,176	11,881	14,764	15,140	15,802	17,084	15,996	13,386
Trade	35,115	39,847	40,938	40,944	43,204	43,494	37,209	30,593
Public service	2,632	2,839	3,360	3,587	3,828	4,192	4,165	3,679
Finance, banking, insurance, etc.	9,072	10,517	12,300	13,204	15,234	15,659	13,297	10,830
Nature of business not given	454	322	45	86	48	48	33	37

¹ Data for 1924 incomplete, as these corporations to a large extent reported merely net income

Source of Tables 182 and 183: Statistics of Income, Report of the Commissioner of Internal Revenue

No. 184.—CORPORATION DIVIDENDS· AS SHOWN IN INCOME TAX RETURNS

[In millions and tenths of millions of dollars For totals for earlier years, see Table 181]

Industrial group	1928		1929		1930		1931	
	Cash	Stock	Cash	Stock	Cash	Stock	Cash	Stock
Total	7, 073 7	550. 1	8, 355 6	1, 286 6	8, 202 2	414 1	6, 151 1	163. 5
Agriculture and related industries	50 4	1 1	33 5	5 4	25 0	3 2	25 7	1 9
Mining and quarrying	311 0	10 8	425 1	39 4	302 7	12 6	173 3	5 0
Manufacturing, total	2, 981 6	269 8	3, 158 8	409 7	3, 160 9	121 9	2, 285 6	42 1
Food products, including beverages	375 0	19 1	440 7	51 5	483 1	9 3	299 2	6 2
Tobacco products	198 0	19 5	189 3	18 4	140 6	11 0	107 0	(1)
Textiles and their products	47 7	10 8	39 4	2 5	40 0	1 7	28 5	. 6
Leather and its manufactures	27 4	6 4	46 1	18 3	44 1	6	25 9	(1)
Rubber products	112 6	11 6	103 0	12 4	69 0	4 5	35 2	1 7
Forest products	80 7	12 0	79 5	1 6	75 3	12 1	46 0	3 4
Paper, pulp, and products	128 1	5 5	152 7	17 1	175 2	6 9	111 7	3 7
Printing, publishing, etc.	771 1	95 5	819 9	150 7	864 8	25 4	668 6	6 6
Chemicals and allied products	83 3	17 4	90 8	11 5	79 7	8 4	59 1	4 4
Stone, clay, and glass products	1, 054 0	56 5	1, 078 3	76 5	1, 091 9	35 3	724 7	13 9
Metal and its products	103 8	15 6	110 1	10 2	97 2	6 7	73 5	1 2
All other manufacturing	65 4	11 3	77 8	12 6	113 5	7 8	63 1	6 3
Construction	1, 652 9	44 3	2, 092 7	40 2	2, 223 9	40 2	1, 796 5	16 2
Transportation and other public utilities	561 7	74 4	621 9	97 7	560 5	61 7	433 3	16 5
Trade	134 3	12 9	176 5	7 4	166 1	11 3	115 7	10 5
Public service	1, 313 9	125 4	1, 762 8	675 6	1, 646 8	155 3	1, 255 7	65 0
Finance—banking, insurance, etc.	2 6	1	3 5	6	2 5	1	2 1	1
Nature of business not given								

¹ Less than \$50,000

No. 185.—ASSETS AND LIABILITIES OF CORPORATIONS· AS OF DECEMBER 31 OR AT THE CLOSE OF THE FISCAL YEAR NEAREST THERETO

[All money figures in millions of dollars]

Year	Number of returns filed ¹	Number of balance sheets	Total assets or total liabilities	Assets					
				Cash ²	Notes and accounts receivable ³	Inventories	Tax-exempt investments ⁴	Investments other than tax-exempt ⁵	Capital assets (less depreciation)
1926	455, 320	359, 449	262, 179	16, 802	23, 552	20, 939	8, 694	-----	97, 523
1927	425, 675	379, 156	287, 542	16, 851	50, 959	21, 005	9, 781	-----	104, 945
1928	443, 611	384, 548	307, 218	21, 952	62, 804	20, 751	10, 116	-----	109, 931
1929	456, 021	398, 815	335, 778	22, 371	66, 810	21, 911	10, 333	55, 844	116, 446
1930	463, 036	403, 173	334, 002	21, 012	59, 676	18, 771	10, 228	83, 809	120, 994
1931	459, 704	381, 088	296, 497	15, 880	48, 667	15, 140	10, 667	74, 305	115, 303

Year	Assets—Contd	Liabilities						
		Miscellaneous assets ⁶	Notes and accounts payable	Bonded debt and mortgages	Miscellaneous liabilities	Capital stock ⁶		Surplus and undivided profits
						Preferred	Common	
1926	94, 669	24, 042	31, 801	87, 076	17, 146	67, 517	39, 154	4, 557
1927	84, 001	24, 126	37, 740	93, 274	17, 800	74, 081	45, 415	4, 893
1928	81, 663	27, 437	42, 943	93, 950	18, 475	77, 255	52, 069	4, 913
1929	42, 057	29, 453	46, 643	99, 314	19, 738	85, 520	60, 699	5, 588
1930	19, 511	26, 870	50, 282	95, 768	19, 117	87, 067	61, 632	6, 734
1931	16, 534	23, 251	48, 101	81, 882	19, 117	79, 794	51, 976	7, 624

¹ Excludes inactive corporations except for 1926² Cash in till and deposits in banks.³ Less reserve for bad debts Beginning 1927, this item includes loans and discounts of banks included in miscellaneous assets in 1926⁴ See Note 4, Table 181⁵ Prior to 1930, stocks, bonds other than tax-exempt, loans, mortgages, etc., owned by life insurance companies and, prior to 1929, investments other than tax-exempt of all corporations were included with miscellaneous assets⁶ For balance sheets in which common and preferred stock are not reported separately, the combined amount is tabulated as "Common stock." For balance sheets with no par stock and not reporting capital stock value, the net worth is tabulated under "Surplus and undivided profits."

Source of Tables 184 and 185 Statistics of Income, Report of the Commissioner of Internal Revenue.

No. 186.—ASSETS AND LIABILITIES OF CORPORATIONS: AS OF DECEMBER 31, 1931, OR AT CLOSE OF FISCAL YEAR NEAREST THERETO

[All money figures in millions of dollars]

	Total ¹	Agriculture	Mining and quarrying	Manufacturing						
				Total ²	Food	Tobacco products	Textiles	Leather	Rubber	Forest products
Number of corporations submitting balance sheets.....	381,088	7,567	9,576	80,106	12,082	318	13,029	2,036	500	6,137
Assets, total ³	296,497	2,136	10,050	63,801	7,188	1,171	5,001	899	1,298	2,893
Cash ⁴	15,890	57	242	3,458	432	150	334	73	84	83
Notes and accounts receivable.....	403,667	203	603	7,819	855	175	674	170	232	369
Inventories.....	15,140	153	474	9,003	962	409	982	280	163	447
Investments—tax-exempt ⁵	10,667	15	145	1,748	173	42	161	15	14	38
Investments other than tax-exempt.....	74,305	231	1,311	8,373	949	116	391	64	163	292
Capital assets—lands, buildings, and equipment ⁶	115,303	1,331	6,633	28,286	3,143	115	2,170	229	450	1,512
Miscellaneous assets ⁷	16,534	142	643	5,115	675	164	289	68	193	150
Liabilities, total ³	296,497	2,136	10,050	63,801	7,188	1,171	5,001	899	1,298	2,893
Notes and accounts payable.....	23,251	362	849	6,017	872	60	661	119	178	380
Bonded debt and mortgages.....	48,101	240	906	5,580	816	90	221	29	252	265
Miscellaneous liabilities ⁸	81,882	185	866	4,564	366	72	271	39	47	182
Capital stock.....	98,911	976	5,564	32,330	3,685	630	2,934	573	738	1,388
Preferred.....	19,117	84	564	6,884	934	153	713	181	252	198
Common.....	79,794	892	5,000	25,446	2,751	477	2,221	392	486	1,190
Surplus.....	61,676	687	2,571	17,872	1,688	322	1,280	208	175	886
Less deficit.....	7,624	214	795	2,061	240	8	346	63	91	218
Net surplus.....	44,352	373	1,776	15,311	1,448	319	914	139	84	677

	Manufacturing—Continued					Construction and other public utilities	Transportation and other public utilities	Trade	Public service	Finance—banking, insurance, etc
	Paper	Printing	Chemicals	Stone, etc	Metals					
Number of corporations submitting balance sheets.....	1,934	9,955	6,090	3,847	17,604	15,350	16,457	113,886	28,545	107,892
Assets, total ³	2,408	3,034	14,800	2,186	20,803	2,475	72,337	17,900	6,555	121,043
Cash ⁴	77	128	538	91	1,351	155	1,333	1,033	211	9,385
Notes and accounts receivable.....	215	567	1,557	191	2,455	643	2,826	4,688	636	31,202
Inventories.....	255	181	1,643	269	3,045	180	889	3,986	198	2,049
Investments—tax-exempt ⁵	42	83	171	65	806	97	287	297	46	8,060
Investments other than tax-exempt.....	475	527	2,690	185	2,246	448	11,359	1,824	1,143	49,551
Capital assets—lands, buildings, and equipment ⁶	1,185	915	7,360	1,251	9,277	704	52,214	4,729	3,719	17,638
Miscellaneous assets ⁷	158	602	842	134	1,533	247	3,460	1,345	602	4,958
Liabilities, total ³	2,408	3,034	14,800	2,186	20,803	2,475	72,337	17,900	6,555	121,043
Notes and accounts payable.....	202	570	882	178	1,662	580	3,494	4,074	878	6,962
Bonded debt and mortgages.....	321	311	1,317	188	1,623	297	27,024	1,315	1,636	11,000
Miscellaneous liabilities ⁸	107	193	1,176	146	1,748	339	4,945	1,066	569	69,331
Capital stock.....	1,233	1,104	7,253	1,200	10,478	810	26,542	8,521	2,428	21,584
Preferred.....	360	218	787	285	2,583	133	5,802	1,683	461	3,490
Common.....	873	886	6,466	915	7,895	677	20,740	6,838	1,967	18,094
Surplus.....	354	371	4,423	561	5,732	568	11,111	4,009	1,452	14,269
Less deficit.....	38	115	558	87	439	119	779	1,078	407	2,102
Net surplus.....	546	856	4,172	474	5,293	449	10,332	2,925	1,045	12,167

¹ Includes data for corporations which did not report the nature of their business

² Includes "All other manufacturing" not shown separately

³ Includes data for corporations which did not report the nature of their business

⁴ In till and deposits in banks

⁵ Includes copyrights, formulas, goodwill, patents, trade marks, sinking funds, other funds, deferred charges, organization expenses, prepaid and suspense items, interest, discount, coupons and dividends receivable, guaranty deposits and deposits on contracts, meters, and leaseholds, cash value of life insurance

⁶ Includes all reserves other than surplus and reserves for depletion, depreciation, and bad debts, deferred and suspense items, funds held in trust, borrowed securities, discount and dividends payable, outstanding coupons and certificates, overdrafts

⁷ Includes all reserves other than surplus and reserves for depletion, depreciation, and bad debts, deferred and suspense items, funds held in trust, borrowed securities, discount and dividends payable, outstanding coupons and certificates, overdrafts

⁸ Includes all reserves other than surplus and reserves for depletion, depreciation, and bad debts, deferred and suspense items, funds held in trust, borrowed securities, discount and dividends payable, outstanding coupons and certificates, overdrafts

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department

No. 187.—CORPORATION INCOME TAX RETURNS: NUMBER, ASSETS, RECEIPTS, NET PROFIT OR DEFICIT, AND NET INCOME OR DEFICIT OF CORPORATIONS SUBMITTING BALANCE SHEETS, BY TOTAL ASSETS CLASSES, 1931

[All money figures (except assets classes) in millions and tenths of millions of dollars]

Total assets class (thousands of dollars)	Number of returns	Total assets or liabilities	Total com- piled receipts	Com- piled net profit or deficit ¹	Statu- tory net in- come or deficit	Number of returns	Total assets or liabilities	Total com- piled receipts	Com- piled net profit or deficit ²	Statu- tory net in- come or deficit
All corporations						Agriculture				
Total.....	381,088	296,497 0	105,238 0	3,487.1	3,292.9	7,567	2,135 8	466 6	3 70 4	3 76 3
Under 50.....	182,447	3,702 8	6,952 5	3,412 2	3,417 8	3,201	73 2	41 9	3 8 3	3 8 3
50 to 100.....	61,144	4,366 5	5,398 1	3,213 6	3,219 4	1,367	248 5	31 0	3 6 8	3 6 9
100 to 250.....	63,426	10,072 1	8,803 0	3,539 7	3,561 5	1,535	95 7	65 7	3 5 4	3 16 6
250 to 500.....	31,052	10,920 0	7,208 5	3,251 0	3,259 8	693	241 2	53 2	3 9 7	3 10 3
500 to 1,000.....	19,335	13,530 0	7,078 3	3,252 3	3,311 1	414	286 3	45 0	3 10 3	3 11 0
1,000 to 5,000.....	18,345	37,955 4	14,505 0	3,538 9	3,788 7	323	633 0	88 4	3 16 2	3 13 6
5,000 to 10,000.....	2,588	17,965 2	5,588 5	3,137 8	3,281 2	425				
10,000 to 50,000.....	2,117	43,167 2	13,365 1	3,35 8	3,434.5	48	561 5	285 3	3 3 7	3 5 6
50,000 and over.....	632	154,807 3	36,247 5	1,694 2	179.1	41				
Mining and quarrying						Manufacturing				
Total.....	9,576	10,050 1	2,191 2	3,201.9	3,244.5	80,108	63,801 3	43,534 4	3,308 0	3,770.2
Under 50.....	3,223	67 9	45 2	3,12 9	3,13 0	35,986	748 4	1,473 5	3,104.4	3,104.7
50 to 100.....	1,472	104 2	45 5	3 6 1	3 6 2	13,089	940 4	1,376 8	3 66 7	3 67.3
100 to 250.....	1,831	292 6	97.6	3 11.4	3 11.7	13,940	2,220 8	2,683 1	3,122.4	3,125.1
250 to 500.....	1,049	372 1	107 0	3 8 0	3 9 0	7,105	2,508 8	2,529 3	3,100 8	3,105 6
500 to 1,000.....	791	561 2	123 7	3 18 7	3 14.6	4,452	3,103 0	2,788 9	3,209 7	3,298 0
1,000 to 5,000.....	936	1,961 8	344 1	3,39 0	3,46 0	4,215	8,753 9	6,439 5	3,209 3	3,240 3
5,000 to 10,000.....	139	947 1	166 5	3 8 8	3 14 0	618	4,261 0	2,630 8	3,27.5	3,54 6
10,000 to 50,000.....	110	2,081 7	455 0	3 26 2	3 34.8	562	11,618 4	6,810 3	3,35 8	3,118 0
50,000 and over.....	25	3,061 5	806 6	3 75 7	3 95 2	139	29,046 6	16,802 2	459 6	141.4
Construction						Transportation and other public utilities				
Total.....	15,350	2,474 8	2,131 2	3 3 7	3 26 9	16,457	72,337 2	13,297 5	958.3	313.8
Under 50.....	9,349	175 0	342 0	3 23 4	3 23 5	9,500	167 8	212 5	3 14.7	3 15 1
50 to 100.....	2,391	169 5	256 3	3 10 2	3 10 4	2,069	145 9	123 2	3 9 1	3 3 3
100 to 250.....	2,131	330 5	419 4	3 6 8	3 7 8	1,882	296 2	160 8	3 2	3 6 1
250 to 500.....	754	202 6	266 8	2 2	1 0	904	314 1	126 5	4 6	4 1
500 to 1,000.....	434	302 3	247 3	1 7	5 5	615	437 4	136 7	3 2	2 6
1,000 to 5,000.....	251	496 1	300 0	18 6	14 8	800	1,765 5	366 4	10 1	6 5
5,000 to 10,000.....	21	135 8	52 1	3 3	3 7	210	1,517 5	304 9	17 9	14 1
10,000 to 50,000.....	16	265 1	123 1	4 6	1 1	279	6,322 9	1,018 9	62 3	33 6
50,000 and over.....	3	337 9	124 2	9 9	3 1 9	198	61,369 9	10,847 6	878 2	271 9
Trade						Public service				
Total.....	113,886	17,900 0	29,540 2	3,453.4	3,518.3	28,545	6,555 3	3,486 0	3 67 1	3 110.2
Under 50.....	69,076	1,433 3	3,918 2	3,157 2	3,157 9	18,254	311 5	598 4	3 29 1	3 29.4
50 to 100.....	19,466	1,372 3	2,971 0	3 84.0	3 84.8	3,881	274 7	303 6	3 8 5	3 8 9
100 to 250.....	15,026	2,315 4	4,351 8	3,106 4	3,109 7	3,443	539 0	524 2	3 13 1	3 14 1
250 to 500.....	5,300	1,842 5	3,137.7	3 71 6	3 75 3	1,367	473 3	297 0	3 3	3 1.4
500 to 1,000.....	2,483	1,720 8	2,636 7	3 62 4	3 66 3	795	550 4	256 2	3 3 7	3 5 2
1,000 to 5,000.....	1,465	3,181 3	4,536 8	3 67 5	3 80.4	681	1,405 5	641 7	3 16 8	3 19 8
5,000 to 10,000.....	152	1,104 9	1,341 8	2 6	3 3 0	72	484 0	193 9	3 5	3 4 6
10,000 to 50,000.....	113	2,167 6	2,701 7	1 2	3 9 8	45	829 2	312 7	3 14.1	3 19 6
50,000 and over.....	25	2,761 9	3,944 5	91 9	74 3	7	1,687 7	618 3	21 0	3 7 2
Finance—Banking, insurance, etc						Nature of business not given				
Total.....	107,892	121,043 0	10,585 0	3,523.7	3,1,484.2	1,709	199 3	25 9	3 12 8	3 14.2
Under 50.....	32,140	709 2	310 7	3 59 3	3 63 4	1,118	16 4	10 0	3 2 2	3 2.4
50 to 100.....	17,201	1,246 4	286 0	3 27 8	3 31 1	208	14 7	4 7	3 4	3 4.4
100 to 250.....	23,429	3,802 4	695 9	3 62 8	3 76 3	211	33 1	4 7	3 1 0	3 1 1
250 to 500.....	13,802	4,887 3	690 0	3 59 2	3 85 1	78	27 6	3 1	3 3 2	3 3.4
500 to 1,000.....	9,298	6,533 5	339 2	3 75 7	3 118 0	53	35 0	2 2	3 3	3 1 2
1,000 to 5,000.....	9,453	19,686 7	2,036 9	3,819 3	3,104.2	41	71 5	1 2	3 2	3 7
5,000 to 10,000.....	1,351	9,355 3	881 0	3 105 3	3 214.4					
10,000 to 50,000.....	984	19,718 2	1,913 1	3 23 1	3 233.7					
50,000 and over.....	234	55,104 0	3,012 2	305 4	3 208 0					

¹ See note 1, Table 181.

³ Deficit.

² Total compiled receipts less statutory deductions.

⁴ Classes grouped to conceal identity of taxpayer.

No. 188.—CORPORATION INCOME TAX RETURNS· ANALYSIS

NOTE—All money figures in thousands of dollars. Corporations

Division and State or Territory	Total number of returns	Returns showing net income					Prior year loss deduction
		Number reporting net income	Per cent of total number of corporations	Gross income	Expenses and deductions	Net income	
1921.....	356,397	171,239	48 05	60,051,123	55,715,075	4,336,048	---
1922.....	382,883	212,535	55 51	80,331,680	73,367,869	6,963,811	501,780
1923.....	398,933	233,339	58 49	97,457,479	89,135,950	8,321,529	578,307
1924.....	417,421	236,389	56 63	97,153,996	89,572,344	7,586,652	219,727
1925.....	430,072	252,334	58 67	113,692,083	104,108,400	9,583,684	243,079
1926.....	455,320	268,134	56 69	118,324,117	108,348,714	9,975,403	235,852
1927.....	475,031	269,849	54 70	115,324,339	106,345,455	9,981,884	244,293
1928.....	495,892	288,753	54 20	127,389,925	116,751,784	10,617,741	301,146
1929.....	509,436	299,430	52 39	129,633,792	117,979,905	11,653,886	392,177
1930.....	518,736	221,420	42 68	89,561,495	83,132,682	6,428,813	157,880
1931.....	518,404	175,898	34 06	52,051,035	48,367,667	3,683,368	136,005
New England.....	37,277	13,641	36 59	4,034,071	3,766,639	267,431	7,709
Maine.....	3,884	1,535	39 52	210,292	196,937	13,355	390
New Hampshire.....	1,345	587	43 64	73,756	69,590	4,166	315
Vermont.....	1,169	420	35 93	51,468	49,535	1,933	40
Massachusetts.....	19,678	6,727	34 18	2,831,451	2,410,468	170,983	5,028
Rhode Island.....	3,127	1,217	38 92	265,321	247,137	18,184	678
Connecticut.....	8,074	3,155	39 08	851,783	792,972	58,810	1,258
Middle Atlantic.....	160,266	56,172	35 05	20,096,045	18,463,047	1,632,997	58,098
New York.....	110,851	39,271	35 43	15,113,394	13,596,756	1,516,637	43,410
New Jersey.....	22,967	8,449	36 79	1,745,271	1,588,142	157,129	5,552
Pennsylvania.....	26,448	8,452	31 96	3,227,880	2,975,149	249,231	9,136
East North Central.....	101,309	32,963	32 54	12,694,241	12,120,544	773,699	30,187
Ohio.....	25,462	8,318	32 67	2,910,398	2,740,020	170,378	8,109
Indiana.....	11,989	4,395	36 66	696,537	646,175	50,362	3,564
Illinois.....	32,260	10,489	32 51	5,551,020	5,387,407	263,614	10,121
Michigan.....	15,287	4,562	29 84	2,776,880	2,537,741	239,140	7,161
Wisconsin.....	16,311	5,199	31 87	859,406	809,201	50,205	1,232
West North Central.....	54,350	19,715	36 28	3,987,495	3,704,380	283,114	8,917
Minnesota.....	11,403	4,364	38 27	1,063,009	1,005,698	57,311	2,456
Iowa.....	9,350	3,527	37 72	548,375	522,866	25,509	1,148
Missouri.....	16,767	5,723	34 13	1,462,835	1,361,520	101,315	3,109
North Dakota.....	3,548	826	23 28	44,813	42,661	2,151	134
South Dakota.....	3,132	1,093	34 90	55,099	52,858	2,241	82
Nebraska.....	4,860	2,071	42 61	305,124	290,476	12,648	766
Kansas.....	5,290	2,121	39 90	460,740	428,301	32,439	1,222
South Atlantic.....	49,598	16,469	33 89	4,685,618	4,308,823	377,094	9,698
Delaware.....	1,966	674	34 28	679,062	602,864	76,198	847
Maryland.....	5,841	2,255	38 60	1,629,221	1,452,590	276,622	1,643
District of Columbia.....	2,843	1,067	45 54	283,554	261,178	22,376	603
Virginia.....	7,071	2,730	38 61	631,485	554,739	76,746	782
West Virginia.....	4,953	1,900	38 36	228,123	211,677	16,445	473
North Carolina.....	6,219	1,819	29 25	673,646	602,453	71,193	1,062
South Carolina.....	3,610	980	27 15	114,668	108,584	6,084	604
Georgia.....	5,567	1,980	35 57	316,569	297,946	18,624	2,122
Florida.....	11,028	3,064	27 78	229,590	216,783	12,806	1,562
East South Central.....	17,666	6,162	34 82	847,820	798,351	51,468	3,639
Kentucky.....	5,470	2,158	39 45	267,715	248,749	18,966	705
Tennessee.....	5,312	1,832	34 49	362,762	339,793	22,969	1,749
Alabama.....	4,299	1,850	42 10	134,244	128,195	6,049	865
Mississippi.....	2,585	782	30 25	85,094	79,814	5,280	320
West South Central.....	30,851	10,247	33 21	1,610,981	1,418,889	194,072	6,391
Arkansas.....	2,471	899	36 38	69,487	65,542	3,946	306
Louisiana.....	6,597	2,415	36 61	419,649	396,414	23,234	1,127
Oklahoma.....	6,558	1,717	26 18	205,067	184,156	20,911	965
Texas.....	15,225	5,216	34 26	816,758	770,777	45,981	2,993
Mountain.....	21,528	6,832	31 97	984,610	942,698	41,913	1,637
Montana.....	3,201	1,099	34 33	78,928	75,642	3,286	162
Idaho.....	2,509	685	27 30	56,223	53,404	2,819	96
Wyoming.....	1,416	580	40 96	27,804	26,103	1,701	88
Colorado.....	7,205	2,359	32 74	284,298	265,856	18,442	569
New Mexico.....	1,172	375	32 00	29,711	28,464	1,247	133
Arizona.....	1,893	506	26 73	45,834	46,312	2,522	250
Utah.....	3,135	977	31 16	100,564	95,508	5,056	235
Nevada.....	997	301	30 19	358,248	2,351,409	6,840	104
Pacific.....	43,709	13,291	30 41	3,019,146	2,809,453	218,693	9,548
Washington.....	13,091	3,916	29 91	357,660	340,052	17,608	1,254
Oregon.....	6,880	1,910	27 76	220,112	211,176	8,936	1,457
California.....	23,738	7,465	31 45	2,441,374	2,251,225	190,149	7,835
Alaska.....	181	71	39 23	4,368	4,035	353	50
Hawaii.....	669	295	44 10	46,860	41,808	4,352	133

¹ No income data reported.

² Includes war and excess-profits tax; for amount see Table 172

INCOME TAX RETURNS

187

FOR UNITED STATES, 1921 TO 1931, AND BY STATES, 1931

reporting no net income include inactive corporations prior to 1927

Returns showing net income—Continued		Returns showing no net income					Inactive corporations ¹		Division and State or Territory
Income tax	Per cent of total tax	Number reporting no net income	Per cent of total number of corporations	Gross income	Expenses and deductions	Deficit	Number	Per cent	
2 701,575	-----	185,158	51 95	31,198,150	35,076,369	3,878,219	-----	-----	1921
2 783,776	-----	170,348	44 49	20,588,835	22,782,611	2,193,776	-----	-----	1922
937,107	-----	165,394	41 51	21,106,184	23,119,739	2,013,555	-----	-----	1923
881,550	-----	181,032	43 37	22,070,497	24,294,423	2,223,926	-----	-----	1924
1,170,331	-----	177,738	41 33	20,568,068	22,530,696	1,962,628	-----	-----	1925
1,229,797	-----	197,186	43 31	24,107,735	26,276,445	2,168,710	-----	-----	1926
1,130,674	100 00	165,826	34 91	29,074,012	31,545,751	2,471,739	49,356	10 39	1927
1,184,142	100 00	174,828	35 26	25,411,989	27,803,114	2,391,124	52,281	10 54	1928
1,193,436	100 00	186,591	36 63	30,987,717	33,901,849	2,914,128	53,415	10 49	1929
1,711,704	100 00	241,616	46 58	46,500,564	51,378,156	4,877,596	55,700	10 74	1930
398,994	100 00	283,806	54 96	55,464,204	62,455,117	6,970,913	56,700	10 98	1931
23,091	7 29	21,214	56 91	4,109,118	4,659,441	550,323	2,422	6 50	N. E.
1,304	33	1,806	46 50	270,579	307,479	36,900	543	13 98	Me
362	09	687	51 08	80,675	89,408	8,733	71	5 28	N. H.
155	04	693	59 28	72,214	80,007	7,792	56	4 79	Vt.
18,985	4 76	11,948	60 72	2,410,170	2,747,373	337,204	1,003	5 10	Mass.
1,887	47	1,655	52 92	373,103	428,470	55,367	255	8 16	R. I.
6,398	1 60	4,425	54 81	902,377	1,006,704	104,327	494	6 11	Conn.
179,688	45 01	90,337	56 37	22,999,555	25,838,143	2,838,588	13,767	8 58	Mid Atl.
135,402	33 94	62,639	56 50	16,194,996	18,113,455	1,918,459	8,941	8 07	N. Y.
16,813	4 21	12,515	54 49	1,794,180	2,235,666	441,477	2,003	8 72	N. J.
27,371	6 86	15,183	37 40	5,010,370	5,487,022	476,652	2,813	10 64	Pa.
83,854	21 02	58,804	58 04	13,567,705	15,106,737	1,539,033	9,642	8 42	E. N. C.
18,223	4 57	15,457	60 70	3,071,048	3,452,100	381,052	1,857	6 63	Ohio.
4,884	1 23	6,236	52 01	730,409	826,116	95,807	1,368	11 83	Ind.
28,520	7 15	18,920	58 65	6,825,575	7,468,116	642,842	2,851	8 84	Ill.
27,123	6 80	9,124	59 69	2,036,296	2,336,141	299,845	1,601	10 47	Mich.
5,100	1 27	9,067	55 59	904,477	1,013,964	109,487	2,045	12 54	Wis.
23,958	6 00	26,818	49 34	3,532,552	3,956,757	424,204	7,817	14 38	W. N. C.
5,991	1 50	5,427	47 59	951,175	1,056,777	105,601	1,612	14 14	Minn.
2,361	59	4,119	44 05	408,076	455,503	47,427	1,704	18 23	Iowa
10,872	2 73	9,107	54 32	1,573,324	1,759,191	185,867	1,937	11 55	Mo.
94	02	1,735	48 90	53,623	60,159	6,536	987	27 82	N. Dak.
118	03	1,361	43 45	60,017	65,039	5,022	678	21 65	S. Dak.
1,087	27	2,355	48 46	204,894	226,000	21,106	434	8 93	Nebr.
3,435	86	2,714	51 30	281,443	334,088	52,645	465	8 79	Kans.
41,602	10 43	25,643	52 78	3,637,997	4,128,389	490,994	6,456	18 56	S. Atl.
8,939	2 24	1,033	52 54	813,073	906,481	93,408	259	13 13	Del.
8,736	2 19	2,922	50 20	719,473	821,285	101,813	654	11 20	Md.
2,119	60	1,081	46 14	253,735	279,482	25,747	195	8 32	D. C.
8,662	2 17	3,661	51 77	375,118	425,987	50,870	680	9 62	Va.
1,586	40	2,508	50 64	277,074	316,924	38,950	545	11 00	W. Va.
8,148	2 04	3,803	61 15	381,167	421,274	40,107	597	9 60	N. C.
539	14	2,244	62 10	196,589	215,008	18,419	386	10 69	S. C.
1,664	42	3,308	59 42	356,912	401,021	44,109	279	5 01	Ga.
909	23	5,073	46 00	263,357	340,927	77,571	2,891	26 22	Fla.
4,796	1 20	9,603	54 36	1,178,942	1,309,385	130,444	1,911	10 82	E. S. C.
1,843	46	2,765	50 55	433,143	473,385	40,242	547	10 00	Ky.
2,274	57	3,007	56 61	389,176	434,427	45,252	473	8 90	Tenn.
412	10	2,370	55 13	244,801	274,646	29,845	549	12 77	Ala.
267	07	1,461	56 52	111,822	126,927	15,105	342	13 23	Miss.
8,935	2 24	17,491	56 70	2,315,335	2,664,093	348,758	3,113	10 09	W. S. C.
303	08	1,415	57 26	144,818	160,244	15,426	157	6 36	Ark.
2,150	54	3,440	52 14	480,865	540,875	59,975	742	11 25	La.
2,171	54	4,054	61 82	591,717	711,596	119,879	787	12 00	Okla.
4,311	1 08	8,882	56 37	1,098,435	1,251,413	152,978	1,427	9 37	Tex.
3,795	95	10,040	46 64	772,997	890,761	117,762	4,606	21 39	Mt.
251	06	1,729	54 01	68,003	85,492	17,489	373	11 66	Mont.
225	06	1,031	41 09	65,211	77,927	12,716	793	31 61	Idaho
91	02	634	14 77	28,814	33,688	4,874	202	14 27	Wyo.
1,786	45	3,355	46 56	366,998	407,800	40,802	1,491	20 70	Colo.
68	02	558	47 61	29,180	33,267	4,088	239	20 39	N. Mex.
194	05	807	42 63	56,072	71,043	14,970	580	30 64	Ariz.
426	10	1,516	48 36	139,229	157,276	18,046	642	20 48	Utah.
754	19	410	41 12	19,490	24,268	4,777	286	28 69	Nev.
22,879	5 73	23,424	53 59	3,294,175	3,817,192	523,018	6,994	16 00	Pa.
1,397	35	6,388	48 80	592,111	676,434	84,323	2,787	21 25	Wash.
768	19	3,407	50 39	311,467	355,446	43,979	1,503	21 85	Oreg.
20,714	5 19	13,599	57 16	2,590,597	2,786,312	395,716	2,704	11 89	Calif.
18	01	86	47 51	3,488	4,050	562	24	13 26	Alaska
477	12	346	51 72	52,942	62,170	9,228	28	4 18	Hawaii.

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

No. 189.—CORPORATION INCOME TAX RETURNS: BY STATES AND TERRITORIES, 1928 TO 1931

[All figures in thousands of dollars]

Division and State	Net income (corporations reporting net income)				Income tax			
	1928	1929	1930	1931	1928	1929	1930	1931
Total.....	10, 617, 741	11, 653, 886	6, 423, 813	3, 683, 365	1, 184, 142	1, 193, 436	711, 704	398, 994
New England.....	698, 338	756, 553	396, 767	267, 431	76, 987	76, 418	43, 392	29, 091
Maine.....	34, 915	35, 379	24, 232	13, 355	3, 703	3, 432	2, 497	1, 304
New Hampshire.....	11, 308	11, 948	7, 455	4, 105	1, 108	1, 117	720	362
Vermont.....	10, 314	10, 255	5, 287	1, 033	1, 093	1, 063	491	155
Massachusetts.....	412, 506	444, 570	249, 537	170, 983	45, 932	44, 620	27, 837	18, 985
Rhode Island.....	51, 732	54, 487	25, 845	18, 184	5, 585	5, 504	2, 677	1, 887
Connecticut.....	177, 471	199, 914	84, 911	58, 810	19, 570	20, 782	9, 170	6, 398
Middle Atlantic.....	4, 530, 879	5 151, 840	2, 881, 947	1, 622, 997	512, 905	540, 903	326, 465	179, 586
New York.....	3, 248, 917	3, 646, 922	2, 091, 540	1, 216, 637	367, 733	383, 110	238, 010	135, 402
New Jersey.....	376, 247	444, 895	224, 871	157, 129	41, 171	45, 680	24, 075	16, 813
Pennsylvania.....	905, 715	1, 060, 023	565, 536	249, 231	104, 001	112, 113	64, 880	27, 371
East North Central.....	2, 645, 749	2, 875, 791	1, 451, 954	773, 699	298, 331	290, 062	161, 205	83, 854
Ohio.....	589, 966	687, 231	301, 340	170, 378	64, 775	71, 303	33, 041	18, 223
Indiana.....	122, 603	124, 080	71, 467	50, 362	12, 902	11, 980	7, 250	4, 888
Illinois.....	1, 012, 040	1, 103, 617	586, 664	263, 614	115, 222	115, 133	66, 135	28, 520
Michigan.....	735, 671	762, 435	389, 343	239, 140	85, 310	71, 628	43, 858	27, 123
Wisconsin.....	184, 569	198, 398	103, 140	50, 205	20, 122	19, 928	10, 921	5, 100
West North Central.....	628, 595	652, 551	400, 375	233, 114	67, 346	65, 141	42, 258	23, 958
Minnesota.....	155, 637	146, 669	87, 556	57, 311	17, 091	14, 697	9, 225	5, 991
Iowa.....	65, 510	68, 046	46, 489	25, 509	6, 604	6, 399	4, 674	2, 861
Missouri.....	254, 781	262, 895	162, 446	101, 315	27, 953	26, 786	17, 748	10, 872
North Dakota.....	5, 688	4, 538	2, 721	1, 651	321	251	133	94
South Dakota.....	6, 229	6, 296	4, 846	2, 241	395	394	204	118
Nebraska.....	30, 623	30 079	21, 906	12, 645	2, 883	2, 662	2, 043	1, 087
Kansas.....	103, 127	134, 223	74, 421	32, 439	12, 099	13, 952	8, 241	3, 435
South Atlantic.....	778, 806	893, 882	534, 441	377, 094	86, 416	91, 927	59, 013	41, 602
Delaware.....	189, 783	272, 455	125, 273	76, 198	22, 067	29, 423	14, 548	8, 939
Maryland.....	156, 352	165, 645	116, 375	76, 622	17, 573	16, 851	13, 225	8, 736
Dist of Columbia.....	55, 898	52, 909	30, 331	22, 376	6, 423	5, 460	3, 286	2, 419
Virginia.....	118, 505	132, 956	110, 675	76, 746	13, 166	13, 794	12, 619	8, 662
West Virginia.....	51, 923	59, 047	27, 487	16, 445	5, 445	5, 757	2, 647	1, 586
North Carolina.....	96, 562	104, 314	73, 172	71, 193	10, 770	10, 863	8, 334	8, 148
South Carolina.....	17, 816	16, 161	6, 281	6, 084	1, 804	1, 464	526	539
Georgia.....	64, 903	62, 281	23, 925	18, 624	6, 892	6, 105	2, 252	1, 664
Florida.....	27, 064	28, 114	20, 922	12, 806	2, 276	2, 210	1, 676	909
East South Central.....	184, 999	179, 664	89, 964	51, 468	19, 332	17, 284	8, 906	4, 796
Kentucky.....	75, 154	77, 305	38, 453	18, 965	8, 172	7, 746	3, 982	1, 843
Tennessee.....	65, 893	59, 533	33, 117	22, 969	7, 039	5, 744	3, 664	2, 274
Alabama.....	31, 252	29, 089	12, 304	6, 049	3, 055	2, 643	1, 048	412
Mississippi.....	12, 700	13, 737	6, 000	3, 485	1, 066	1, 131	612	267
West South Central.....	330, 498	365, 953	208, 323	94, 072	34, 290	34, 419	21, 145	8, 935
Arkansas.....	17, 064	17, 566	6, 755	3, 945	1, 572	1, 451	571	303
Louisiana.....	60, 221	53, 648	33, 217	23, 234	6, 122	4, 980	3, 096	2, 150
Oklahoma.....	79, 233	105, 607	71, 297	20, 911	8, 125	9, 795	7, 739	2, 171
Texas.....	173, 980	189, 132	97, 054	45, 981	18, 441	18, 193	9, 739	4, 311
Mountain.....	128, 716	128, 807	68, 617	41, 913	12, 441	11, 683	6, 325	3, 796
Montana.....	14, 643	11, 941	5, 582	3, 286	1, 249	941	379	251
Idaho.....	6, 645	7, 525	4, 943	2, 819	535	505	403	226
Wyoming.....	5, 737	3, 976	3, 066	1, 701	457	262	203	91
Colorado.....	59, 932	52, 349	30, 943	18, 442	6, 109	5, 084	3, 090	1, 786
New Mexico.....	4, 621	4, 320	2, 456	1, 247	415	354	179	68
Arizona.....	9, 811	18, 992	4, 756	2, 522	936	1, 732	421	194
Utah.....	20, 363	19, 933	11, 323	5, 056	2, 004	1, 814	1, 055	426
Nevada.....	6, 964	9, 771	5, 543	6, 840	706	971	595	754
Pacific.....	657, 065	619, 179	373, 066	216, 683	72, 194	62, 547	40, 317	22, 879
Washington.....	75, 391	76, 230	31, 492	17, 608	7, 419	6, 986	2, 686	1, 397
Oregon.....	29, 385	30, 026	17, 010	8, 936	2, 737	2, 601	1, 517	768
California.....	552, 289	512, 923	324, 584	190, 149	62, 038	52, 960	36, 114	20, 714
Alaska.....	642	837	503	333	46	46	35	18
Hawaii.....	33, 456	28, 829	22, 836	4, 552	3, 884	3, 046	2, 643	477

Source. Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

No. 190.—CORPORATION INCOME TAX RETURNS: NUMBER, INCOME, AND TAX, BY INDUSTRIAL GROUPS AND INDUSTRIES, 1931

NOTE.—For totals for all corporations see Table 188. Group totals include industries not shown separately. Gross income corresponds to total income as reported on face of the return plus cost of goods sold.

[All money figures in thousands of dollars]

Industry	Returns showing net income				Returns showing no net income		
	Number	Gross income	Net income	Income tax	Number	Gross income	Deficit
Agriculture and related industries.....	2, 546	215, 096	14, 002	1, 201	7, 354	276, 868	98, 778
Mining and quarrying.....	3, 832	732, 720	71, 154	7, 211	8, 291	1, 496, 571	325, 963
Metal mining.....	149	85, 323	9, 375	1, 005	574	380, 836	80, 565
Anthracite.....	33	185, 115	5, 743	622	59	161, 926	7, 357
Bituminous coal, lignite, peat, etc.....	582	166, 244	9, 937	1, 039	1, 513	458, 449	57, 702
Oil and gas.....	1, 136	89, 775	12, 542	1, 034	2, 571	361, 151	133, 425
Manufacturing.....	30, 270	20, 974, 409	1, 464, 619	165, 311	58, 815	23, 058, 882	2, 287, 589
Food products, including beverages.....	6, 466	5, 365, 954	326, 910	36, 823	7, 524	3, 688, 705	203, 478
Bakery and confectionery products.....	1, 511	909, 998	79, 695	9, 137	1, 865	316, 875	22, 951
Canned products—fish, fruits, vegetables, poultry, etc.....	159	197, 323	30, 021	3, 443	1, 219	421, 401	50, 131
Mill products—bran, flour, feed, etc.....	448	498, 038	21, 822	2, 532	746	247, 328	8, 940
Packing-house products—fresh meats, ham, laid, bacon, meat canning, by-products, etc.....	357	1, 376, 191	14, 711	1, 651	419	2, 279, 852	35, 406
Sugar—beet, cane, maple, and products.....	59	366, 556	20, 997	2, 401	111	263, 723	37, 560
Beverages—soft drinks, cereal beverages, mineral water, wines, distilling.....	979	206, 725	27, 809	2, 961	1, 215	93, 204	19, 490
Tobacco, cigarettes, cigars, snuff, etc.....	155	1, 086, 321	142, 494	17, 066	211	97, 515	5, 606
Textiles and their products.....	4, 875	2, 132, 182	77, 830	7, 351	9, 503	3, 168, 902	342, 537
Cotton goods—dress goods, plain cloth, etc., napping and dyeing.....	208	229, 858	12, 544	1, 215	637	580, 775	76, 114
Woolen and worsted goods—wool, yarn, dress goods, wool pulling.....	172	139, 877	6, 542	559	368	291, 405	37, 785
Silk and rayon goods, spinning, etc.....	267	243, 666	9, 504	926	493	319, 226	42, 932
Carpets, floor coverings, tapestries, etc.....	39	83, 481	2, 227	125	104	64, 484	11, 316
Clothing—custom-made, factory-made, coats, underwear, millinery, etc.....	2, 460	803, 344	18, 484	1, 667	4, 741	1, 054, 240	85, 293
Knit goods—sweaters, hosiery, etc.....	462	228, 340	9, 905	1, 012	762	323, 632	32, 627
Leather and its manufactures.....	754	545, 838	30, 091	3, 340	1, 487	564, 469	64, 737
Boots, shoes, slippers, etc.....	457	460, 678	27, 032	3, 064	708	278, 859	24, 876
Gloves, saddlery, harness, trunks, finishing and tanning leather, etc.....	297	84, 710	3, 059	276	779	285, 610	39, 861
Rubber products.....	174	401, 314	14, 094	1, 371	361	415, 317	38, 154
Tires and tubes, etc.....	22	346, 434	10, 984	1, 058	46	321, 929	27, 819
Rubber boots, shoes, hose, and artificial rubber.....	107	46, 282	2, 704	283	240	82, 084	8, 953
Bone, celluloid, and ivory products.....	45	8, 598	316	30	75	11, 305	1, 382
Forest products.....	1, 525	332, 942	14, 966	1, 379	5, 160	1, 014, 898	199, 138
Sawmill and planing mill products.....	507	83, 506	2, 981	218	2, 493	535, 640	121, 867
Carriages, wagons, furniture, etc.....	1, 018	249, 436	11, 985	1, 161	2, 657	479, 258	77, 272
Paper, pulp, and products.....	832	632, 927	37, 472	4, 239	1, 200	639, 142	53, 776
Printing, publishing, and allied industries.....	4, 593	1, 285, 285	115, 795	12, 895	6, 810	1, 000, 179	77, 802
Chemicals and allied products.....	2, 797	3, 371, 395	251, 493	29, 409	4, 047	3, 952, 977	318, 864
Petroleum and other mineral oil refining.....	208	1, 116, 407	36, 602	4, 247	364	3, 288, 357	246, 396
Chemicals proper.....	146	642, 417	49, 246	5, 882	167	40, 253	4, 067
Allied chemical substances—drugs, oils, paints, soaps, etc.....	2, 352	1, 589, 666	164, 614	19, 176	3, 299	527, 790	56, 205
Fertilizers.....	91	22, 905	1, 031	104	217	96, 577	12, 196
Stone, clay, glass, and related products.....	1, 149	483, 373	41, 683	4, 614	3, 076	558, 054	79, 171
Metal and its products.....	4, 744	4, 652, 191	355, 221	40, 624	14, 174	6, 581, 806	760, 951
Iron and steel—products of blast furnaces, rolling mills, foundries.....	631	372, 284	16, 237	1, 737	2, 068	2, 323, 005	142, 196
Locomotives and railroad equipment.....	32	61, 879	3, 790	450	120	111, 284	27, 365
Motor vehicles, complete or parts.....	201	1, 803, 959	149, 323	17, 444	621	1, 030, 313	123, 534
Factory machinery.....	383	241, 335	22, 026	2, 511	924	239, 243	43, 161
Agricultural machinery and equipment.....	88	115, 233	3, 014	317	322	240, 815	28, 211
Electrical machinery and equipment.....	267	225, 115	17, 140	1, 999	602	596, 071	63, 220
Building, construction, gas, and mining machinery and equipment.....	651	311, 527	23, 208	2, 553	2, 117	523, 685	87, 965
Household machinery and equipment.....	299	308, 688	26, 999	2, 994	748	178, 420	19, 405
Office equipment, etc.....	86	141, 849	20, 541	2, 453	250	135, 439	12, 831
Metal building material and supplies.....	326	131, 360	8, 684	919	1, 238	369, 804	49, 677
Hardware, tools, etc.....	572	210, 758	17, 836	1, 978	1, 738	430, 533	86, 654
Precious metal products and processes.....	215	73, 257	2, 645	253	665	138, 357	22, 877

No. 190.—CORPORATION INCOME TAX RETURNS: NUMBER, INCOME, AND TAX,
BY INDUSTRIAL GROUPS AND INDUSTRIES, 1931—Continued

[All money figures in thousands of dollars]

Industry	Returns showing net income				Returns showing no net income		
	Num-ber	Gross in-come	Net in-come	Income tax	Num-ber	Gross in-come	Deficit
Manufacturing—Continued							
Radios, complete or parts.....	66	39,359	1,632	94	180	85,126	29,902
Airplanes, seaplanes, etc.....	16	6,673	860	84	116	42,447	14,080
Construction.....	6,457	1,213,234	80,699	7,625	11,675	1,022,318	111,048
Building and construction above ground, installing machinery, moving, wrecking, razing, etc.....	3,882	477,568	22,033	1,818	7,886	582,806	60,525
Other construction underground and on surface—bridge building, water-front construction, related industries, etc.....	2,492	673,445	54,188	5,332	3,613	386,473	42,822
Shipbuilding and repairing.....	83	62,222	4,478	474	176	53,038	7,701
Transportation and other public utilities.....	10,933	6,800,951	902,635	105,585	10,622	6,584,845	605,249
Steam railroads.....	152	948,305	105,515	12,514	394	3,888,935	275,327
Electric railways; Pullman cars; refrigerator, stock, poultry, and fruit cars; lessors.....	362	405,326	86,041	10,300	345	380,243	39,946
Water transportation and related branches.....	753	197,761	22,461	2,476	915	160,990	35,667
Aerial transportation.....	100	39,377	2,542	250	491	32,150	17,152
Autobus lines, taxicabs, and sight-seeing companies.....	783	96,507	5,839	487	1,382	124,154	12,221
Cargo and storage, food storage, packing and shipping, etc.....	4,169	334,072	34,863	3,319	4,362	419,302	28,185
Electric light and power companies.....	557	1,902,311	290,320	34,377	295	921,131	74,964
Gas companies, artificial and natural.....	238	542,536	57,211	6,747	238	112,293	29,138
Telephone and telegraph companies.....	2,154	1,757,158	204,908	24,358	1,117	157,094	11,799
Radio broadcasting companies.....	147	25,318	4,411	489	163	111,671	9,830
Water companies.....	925	120,762	13,476	1,460	401	27,088	8,364
Trade.....	46,049	16,109,402	480,035	45,708	86,799	14,484,044	1,025,431
Wholesale.....	8,649	5,273,065	104,381	10,142	14,721	5,055,509	324,721
Retail.....	26,404	8,039,119	271,800	27,826	53,581	6,664,485	491,134
Wholesale and retail.....	4,159	1,731,736	46,429	4,580	6,382	1,626,589	103,584
Commission.....	2,486	562,345	19,746	1,844	4,142	510,767	39,688
Service.....	15,637	1,698,877	117,925	11,081	22,588	1,980,348	241,288
Domestic service—laundries, hotels, restaurants, etc.....	5,255	732,627	36,430	3,389	8,794	842,178	121,601
Amusements.....	3,061	388,961	35,749	3,496	4,657	735,980	61,152
Theaters, legitimate, vaudeville, etc.....	182	18,764	1,398	130	343	33,147	7,532
Motion-picture producers.....	54	29,696	2,698	318	145	412,252	11,372
Motion-picture theaters.....	1,167	276,619	26,005	2,638	1,148	208,133	21,582
Other amusements—circuses, golf links, race tracks, etc.....	1,658	63,982	5,649	410	3,021	82,449	20,666
Professional—curative, educational, engineering, legal, etc.....	2,501	125,908	11,070	904	3,744	112,036	20,304
Business service—detective bureaus, trade shows, mimeographing, publishing directories, advertising, etc.....	2,308	346,219	25,018	2,546	3,135	214,590	24,803
Finance.....	59,129	4,293,852	570,502	55,166	75,434	6,535,974	2,256,843
National banks.....	2,085	268,097	24,528	2,411	4,554	647,946	133,702
State and private banks, savings banks, loan and trust companies.....	6,657	516,848	59,851	5,975	7,660	979,387	204,077
Joint-stock land banks.....	4	1,274	218	—	27	4,153	8,884
Stock and bond brokers, investment brokers, investment bankers, and investment trusts.....	871	389,880	26,552	1,949	2,922	1,671,907	594,221
Real estate and realty holding companies—realty development, holding or leasing, realty trust, etc.....	35,590	934,901	176,345	14,147	45,506	1,063,610	502,940
Insurance companies.....	1,114	1,520,263	146,353	17,246	1,163	1,269,897	230,429
Life insurance—mutual or stock.....	339	755,797	86,664	10,348	253	165,636	29,494
Other insurance.....	775	764,466	59,688	6,897	910	1,104,261	200,934

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

No. 191.—CORPORATION INCOME TAX RETURNS: NUMBER, NET INCOME, AND TAX, BY INDUSTRIAL GROUPS

NOTE.—All money figures in thousands of dollars. Inactive corporations are not included beginning 1927

Year	Returns showing net income			Returns showing no net income ¹		Returns showing net income			Returns showing no net income ¹	
	Number	Net income	Tax	Number	Deficit	Number	Net income	Tax	Number	Deficit
All corporations						Agriculture and related industries				
1924.....	236,389	7,586,652	881,550	181,032	2,223,926	4,530	64,230	6,733	5,228	62,498
1925.....	252,334	9,583,684	1,170,331	177,738	1,962,628	4,662	76,862	8,604	5,242	59,215
1926.....	258,134	9,673,403	1,229,797	197,186	2,168,710	4,698	70,812	8,175	5,990	55,665
1927.....	259,849	8,981,884	1,130,674	165,826	2,471,739	4,445	78,577	9,053	4,460	61,894
1928.....	268,783	10,617,741	1,184,142	174,828	2,391,124	4,504	80,476	8,267	4,679	50,092
1929.....	269,430	11,653,886	1,193,436	186,591	2,914,128	4,407	72,301	6,783	5,023	53,543
1930.....	221,420	6,428,813	711,704	241,616	4,877,595	3,475	40,484	4,041	6,431	86,370
1931.....	175,898	3,683,368	398,994	283,806	6,970,913	2,546	14,002	1,201	7,354	98,778
Mining and quarrying						Manufacturing—Total ²				
1924.....	4,893	240,142	28,389	13,560	307,091	51,342	3,595,675	429,653	35,461	832,203
1925.....	5,488	453,600	55,049	13,675	209,957	54,137	4,383,357	546,741	34,637	682,255
1926.....	6,006	455,798	57,308	13,246	183,474	55,094	4,494,790	584,507	38,150	786,687
1927.....	5,232	276,309	34,898	7,804	246,924	53,620	3,938,647	507,735	36,196	851,053
1928.....	5,183	332,679	36,751	7,750	207,416	55,007	4,744,261	544,936	36,566	833,735
1929.....	5,211	430,527	44,319	7,291	198,440	55,488	5,216,016	544,053	36,742	810,244
1930.....	4,700	194,118	21,474	7,533	238,459	40,641	2,757,508	316,992	50,863	1,639,844
1931.....	3,832	71,154	7,211	8,291	325,963	30,270	1,464,619	165,311	58,815	2,287,589
Manufacturing—Continued						Food products, including beverages				
1924.....	8,841	443,370	51,822	5,083	91,897	239	93,483	11,554	279	3,819
1925.....	9,303	533,472	66,587	5,419	91,512	289	117,866	15,718	208	2,257
1926.....	8,950	475,074	61,429	6,058	93,052	261	124,775	16,745	169	2,475
1927.....	8,971	461,406	59,049	5,461	105,716	238	121,678	14,548	181	2,147
1928.....	8,844	518,092	58,391	5,405	77,818	243	132,682	14,554	177	4,942
1929.....	9,045	540,186	56,309	5,380	87,721	195	143,788	17,216	197	6,655
1930.....	7,897	436,451	49,869	6,328	128,498	155	142,494	17,066	211	5,606
1931.....	6,466	326,910	36,823	7,524	203,478					
Tobacco products						Textiles and their products				
1924.....	8,841	443,370	51,822	5,083	91,897	1,341	70,319	8,037	1,087	31,876
1925.....	9,303	533,472	66,587	5,419	91,512	1,373	76,023	9,169	986	28,895
1926.....	8,950	475,074	61,429	6,058	93,052	1,413	73,859	9,358	1,078	27,436
1927.....	8,971	461,406	59,049	5,461	105,716	1,448	99,072	12,229	903	21,703
1928.....	8,844	518,092	58,391	5,405	77,818	1,362	77,425	8,893	1,015	28,038
1929.....	9,045	540,186	56,309	5,380	87,721	1,349	76,803	8,109	1,084	36,368
1930.....	7,897	436,451	49,869	6,328	128,498	894	38,691	4,389	1,515	64,124
1931.....	6,466	326,910	36,823	7,524	203,478	754	30,091	3,340	1,487	64,737
Leather and its manufactures						Rubber products				
1924.....	6,836	316,928	37,651	5,393	188,104	4,750	178,869	21,090	2,913	57,754
1925.....	7,504	413,115	48,814	4,767	114,772	4,657	200,316	24,667	2,976	53,116
1926.....	7,708	314,649	39,829	5,728	195,164	4,591	172,972	21,907	3,271	69,196
1927.....	8,240	417,484	50,341	5,343	120,816	4,178	125,408	15,612	3,353	94,295
1928.....	8,076	351,850	39,355	6,098	155,729	4,290	142,197	15,210	3,367	71,493
1929.....	8,104	323,974	33,197	6,236	163,069	4,195	135,612	13,437	3,294	68,499
1930.....	5,678	105,610	11,123	8,753	369,690	2,340	35,824	3,591	4,868	152,460
1931.....	4,875	77,830	7,351	9,503	342,537	1,525	14,966	1,379	5,150	199,138
Forest products						Paper, pulp, and products				
1924.....	325	56,900	5,662	313	15,345	6,278	175,972	20,802	3,340	28,455
1925.....	349	122,966	15,412	289	13,942	6,523	190,909	23,375	3,397	29,505
1926.....	339	37,501	4,867	341	24,764	6,931	203,507	25,857	3,614	31,006
1927.....	335	70,253	8,849	284	19,356	6,734	198,476	25,123	3,829	34,788
1928.....	349	44,645	5,149	331	45,987	7,070	243,650	27,310	3,703	34,104
1929.....	311	56,324	6,055	303	39,191	7,331	270,829	28,017	3,839	47,749
1930.....	227	12,242	1,336	354	63,876	6,098	176,136	19,641	5,271	54,812
1931.....	174	14,004	1,371	361	38,154	4,593	115,795	12,895	6,810	77,802
Printing, publishing, and allied industries						Paper, pulp, and products				
1924.....	1,204	92,674	10,675	682	18,361	6,278	175,972	20,802	3,340	28,455
1925.....	1,288	111,186	14,004	652	12,137	6,523	190,909	23,375	3,397	29,505
1926.....	1,365	120,460	15,610	659	14,362	6,931	203,507	25,857	3,614	31,006
1927.....	1,386	123,988	16,064	642	13,614	6,734	198,476	25,123	3,829	34,788
1928.....	1,345	118,589	13,768	678	14,959	7,070	243,650	27,310	3,703	34,104
1929.....	1,406	124,347	13,222	673	19,893	7,331	270,829	28,017	3,839	47,749
1930.....	1,114	73,641	8,475	953	36,379	6,098	176,136	19,641	5,271	54,812
1931.....	832	37,472	4,239	1,200	53,776	4,593	115,795	12,895	6,810	77,802

¹ Includes inactive concerns prior to 1927, for number of inactive concerns in 1927 to 1931 see Table 188.

² Includes all other manufacturing not shown separately.

³ Food products include tobacco

No. 191.—CORPORATION INCOME TAX RETURNS: NUMBER, NET INCOME, AND TAX, BY INDUSTRIAL GROUPS—Continued

Year	Returns showing net income			Returns showing no net income		Returns showing net income			Returns showing no net income	
	Number	Net income	Tax	Number	Deficit	Number	Net income	Tax	Number	Deficit
Manufacturing—Continued										
Chemicals and allied products					Stone, clay, and glass products					
1924.....	3,640	466,184	56,650	2,961	76,309	2,735	162,408	19,152	1,621	17,941
1925.....	3,951	623,278	78,393	3,011	82,352	2,753	181,547	22,833	1,701	17,846
1926.....	4,076	785,155	102,964	3,210	69,279	2,762	195,166	25,542	1,844	22,112
1927.....	3,960	495,857	64,767	2,892	110,369	2,587	157,263	20,564	1,876	25,356
1928.....	4,231	848,127	99,002	2,820	59,789	2,676	172,007	19,770	1,933	32,518
1929.....	4,073	911,512	98,124	2,993	56,976	2,572	163,646	17,268	1,989	33,439
1930.....	3,287	534,077	62,961	3,727	175,459	1,805	92,812	10,487	2,713	53,374
1931.....	2,797	251,493	29,409	4,047	318,864	1,149	41,683	4,614	3,076	79,171
Manufacturing—Continued										
Metal and its products					Construction					
1924.....	11,227	1,340,597	162,979	8,943	244,779	8,701	132,704	12,912	4,475	42,011
1925.....	12,760	1,756,733	221,973	8,769	201,445	9,701	156,491	17,581	5,637	43,346
1926.....	11,989	1,803,444	237,077	8,065	192,574	10,075	162,569	19,146	6,695	53,621
1927.....	11,412	1,501,274	198,066	8,227	241,305	10,071	171,160	20,078	6,281	59,477
1928.....	12,252	1,910,003	221,838	7,479	254,975	10,179	170,906	17,175	7,117	71,360
1929.....	12,864	2,291,767	236,494	7,202	170,113	10,462	178,876	16,519	7,896	70,066
1930.....	8,183	1,003,020	116,149	11,904	400,375	8,871	150,548	15,210	9,674	82,488
1931.....	4,744	355,221	40,624	14,174	760,951	6,457	80,699	7,625	11,675	111,048
Transportation and other public utilities					Trade					
1924.....	14,565	1,232,012	148,278	7,866	137,753	68,112	1,198,586	120,649	37,211	296,517
1925.....	14,862	1,468,693	186,314	8,751	134,744	71,910	1,254,046	145,350	37,678	287,506
1926.....	15,444	1,723,399	228,662	9,656	120,174	71,403	1,185,558	140,522	41,302	330,998
1927.....	13,855	1,588,880	210,878	6,982	197,472	74,747	1,156,870	137,352	44,931	362,339
1928.....	13,882	1,813,088	211,082	7,422	173,170	79,745	1,240,862	126,332	46,002	355,814
1929.....	13,014	2,092,054	222,483	7,964	190,692	78,606	1,149,235	107,149	50,483	419,398
1930.....	12,109	1,334,229	155,573	9,522	333,528	59,741	651,097	64,166	71,746	738,695
1931.....	10,933	902,635	105,385	10,622	605,249	48,049	460,035	45,708	86,799	1,025,431
Public service					Finance—Banking, insurance, etc					
1924.....	15,495	202,165	22,131	10,825	66,650	67,089	995,124	109,444	37,672	460,597
1925.....	16,571	246,426	28,467	12,410	72,226	73,246	1,523,823	179,948	42,701	456,219
1926.....	17,755	260,981	31,040	14,502	103,772	76,819	1,336,893	160,215	53,614	528,032
1927.....	18,287	244,464	28,623	12,859	117,065	78,100	1,522,834	181,706	44,582	566,177
1928.....	19,008	254,186	25,602	14,518	126,709	80,315	1,971,343	213,238	48,824	566,199
1929.....	20,280	314,426	29,632	15,737	154,215	80,260	2,197,539	222,403	53,677	1,008,827
1930.....	18,741	234,227	23,705	19,472	179,230	72,102	1,064,816	109,455	64,477	1,566,677
1931.....	15,637	117,925	11,081	22,588	241,288	59,129	570,502	55,166	75,434	2,256,843

No. 192.—FEDERAL ESTATE TAX RETURNS: SUMMARY

[All money figures in thousands of dollars]

Year	Returns filed		Gross estate		Net taxable estate		Tax	
	Resident decedents	Non-resident decedents	Resident decedents	Non-resident decedents	Resident decedents	Non-resident decedents	Resident decedents	Non-resident decedents
1916-1922 ¹	42,230	2,896	8,785,642	107,597	5,407,674	101,849	351,138	5,378
1922 ²	12,563	1,313	2,955,959	53,113	1,652,832	27,440	117,624	2,938
1923.....	13,063	1,156	2,774,741	29,587	1,504,621	27,440	88,334	726
1924.....	13,011	1,502	2,540,922	25,600	1,372,421	23,395	71,451	488
1925.....	14,013	2,006	2,958,364	42,725	1,621,008	37,861	86,223	1,099
1926.....	13,142	1,425	3,386,267	21,656	1,951,969	20,567	101,324	481
1927.....	9,353	1,347	3,146,290	26,945	1,735,840	25,777	40,931	755
1928.....	8,079	2,157	3,503,239	51,032	1,943,429	49,075	40,561	1,398
1929.....	8,592	1,761	3,843,514	49,732	2,268,323	45,653	43,303	1,085
1930.....	8,788	1,584	4,108,517	57,106	2,376,973	50,481	39,003	2,614
1931.....	8,333	1,556	4,042,881	33,195	2,327,319	29,013	44,540	660
1932.....	7,113	1,394	2,795,818	34,570	1,391,569	31,868	22,364	1,310

¹ Sept 9, 1916, to Jan 15, 1922

² Jan 15 to Dec 31, 1922

Source of tables 191 and 192 Statistics of Income, Report of the Commissioner of Internal Revenue.

No. 193.—FEDERAL ESTATE TAX RETURNS: RETURNS OF RESIDENT DECEDENTS DISTRIBUTED BY SIZE OF NET ESTATE

[All money figures, except average amount of tax per return, in thousands of dollars]

	Grand total					
	1927	1928	1929	1930	1931	1932
Number of returns.....	9,363	8,079	8,582	8,798	8,333	7,113
Gross estate, total.....	3,148,290	3,503,239	3,843,514	4,108,517	4,042,381	2,785,818
Real estate.....	573,454	610,655	570,058	563,855	542,812	433,371
Bonds exempt or partially exempt.....	235,837	247,411	210,336	301,578	359,549	287,305
Other bonds.....	230,897	239,440	263,142	238,733	256,331	194,343
Capital stock in corporations.....	1,223,992	1,516,971	1,860,796	1,939,855	1,909,492	1,066,766
Mortgages, notes, cash, etc.....	357,271	385,278	381,106	396,016	388,700	341,121
Insurance (gross).....	88,949	103,218	124,710	128,584	133,736	135,339
All other.....	437,839	400,267	403,326	476,846	454,708	337,671
Deductions, total.....	1,490,036	1,661,225	1,641,316	1,799,570	1,799,097	1,521,810
Specific exemption.....	798,910	784,350	846,750	876,050	830,150	696,850
Charitable, public, and similar bequests.....	130,975	216,099	153,678	223,490	219,940	190,916
Property from an estate taxed within 5 years.....	73,482	71,857	85,128	94,101	110,449	83,525
Funeral and administrative expenses, debts, mortgages, etc.....	440,175	537,121	501,537	551,725	586,223	503,954
Insurance exemption.....	46,494	51,798	54,222	54,204	52,335	46,565
Net taxable estate ¹	1,735,840	1,943,429	2,268,323	2,376,973	2,327,319	1,391,669
Total tax.....	100,532	135,014	165,413	152,391	182,202	84,006
Tax credit ²	59,601	94,453	122,110	113,388	137,663	61,642
Net tax.....	40,931	40,561	43,303	39,003	44,540	22,364
Average tax per return.....	\$4.276	\$5.021	\$5.046	\$4.433	\$5.345	\$3.144
Average rate of tax on net taxable estate (percent).....	2.36	2.09	1.91	1.64	1.91	1.61

	1932 No net taxable estate	1932 Net estate of—					
		Under \$50,000	\$50,000—\$200,000	\$200,000—\$600,000	\$600,000—\$1,000,000	\$1,000,000—\$5,000,000	\$5,000,000 and over
Number of returns.....	2,009	1,869	1,792	908	233	215	27
Gross estate, total.....	348,723	293,454	481,165	553,935	253,019	551,067	314,455
Real estate.....	90,773	62,431	87,304	76,810	26,820	56,909	32,327
Bonds exempt or partially exempt.....	8,607	13,124	25,186	58,122	27,277	82,379	72,611
Other bonds.....	16,666	24,242	42,123	46,332	20,001	27,485	17,496
Capital stock in corporations.....	96,045	87,127	164,669	209,759	119,930	256,439	132,797
Mortgages, notes, cash, etc.....	38,695	56,471	74,538	76,416	25,824	43,888	25,289
Insurance (gross).....	34,803	18,019	34,648	25,072	8,018	12,290	2,489
All other.....	63,133	32,040	52,696	61,426	25,149	71,679	31,447
Deductions total.....	466,283	252,533	287,412	228,478	74,600	146,126	66,381
Specific exemption.....	197,350	179,400	176,900	96,000	23,100	21,400	2,700
Charitable, public, and similar bequests.....	44,475	15,377	16,882	46,705	16,320	30,763	20,396
Property from an estate taxed within 5 years.....	29,562	6,399	11,216	9,012	3,203	23,864	269
Funeral and administrative expenses, debts, mortgages, etc.....	181,269	42,978	70,452	68,704	29,562	63,154	42,836
Insurance exemption.....	13,629	8,378	11,961	8,056	2,415	1,948	179
Net taxable estate.....		40,921	193,753	325,459	178,418	404,941	248,076
Total tax.....		431	3,481	10,015	7,884	28,424	33,771
Tax credit ²		282	2,499	7,513	5,859	20,887	24,604
Net tax.....		149	983	2,502	2,024	7,538	9,169
Average tax per return.....		\$80	\$549	\$2,585	\$8,637	\$35,060	\$339,593
Average rate of tax on net taxable estate (percent).....		36	.51	.77	1.13	1.86	3.70

¹ In arriving at grand total net taxable estate the grand total deductions are diminished by the deductions in excess of gross estate shown for 1932 in column "No net taxable estate."² Credit for estate, inheritance, legacy, or succession taxes paid to any of the several States, Territories, or District of Columbia. Credit limited to 25 percent of the total Federal estate tax for estates of individuals who died from June 2, 1924, to Feb. 26, 1926, and to 80 percent thereafter.

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department

No. 194.—PUBLIC DEBT OF THE UNITED STATES: 1800 to 1934

[All figures except per capita in thousands of dollars]

June 30—	Gross debt ¹		Interest bearing ²	Matured	Non-interest bearing ¹	June 30—	Gross debt ¹		Interest bearing ²	Matured	Non-interest bearing ¹
	Amount	Per capita					Amount	Per capita			
1800.	82,976	\$15 87				1898.	1,232,743	\$16 90	847,367	1,263	384,113
1810.	53,173	7 46				1899.	1,436,701	19 33	1,046,049	1,218	389,434
1820.	91,016	9 58				1900.	1,203,417	16 56	1,028,479	1,176	338,762
1830.	48,665	3 83				1901.	1,221,572	15 71	987,141	1,416	233,016
1840.	3,673	.21				1902.	1,178,031	14 89	931,070	1,281	245,680
1850.	63,453	2 77				1903.	1,159,406	14 40	914,541	1,205	243,659
1855.	35,588	1 32	35,418	170		1904.	1,136,259	13 88	885,157	1,971	239,131
1860.	64,844	2 06	64,683	161		1905.	1,132,557	13 60	885,158	1,370	235,829
1865.	2,677,929	77 07	2,217,709	2,129	458,090	1906.	1,142,523	13 50	885,159	1,128	246,236
1870.	2,436,453	63 19	2,035,881	3,570	397,003	1907.	1,147,178	13 33	894,834	1,087	251,257
1871.	2,322,052	58 70	1,920,697	1,949	399,406	1908.	1,177,690	13 46	897,504	4,130	276,056
1872.	2,209,991	54 44	1,800,794	7,927	401,270	1909.	1,148,315	12 91	913,317	2,884	232,114
1873.	2,151,210	51 62	1,696,484	51,929	402,797	1910.	1,146,940	12 69	913,317	2,125	231,498
1874.	2,159,933	50 47	1,724,931	3,216	431,786	1911.	1,153,955	12 28	915,353	1,880	226,751
1875.	2,156,277	49 06	1,708,676	11,426	436,175	1912.	1,193,839	12 48	963,777	1,760	228,302
1876.	2,130,846	47 21	1,696,685	3,902	430,258	1913.	1,193,048	12 26	965,707	1,660	225,682
1877.	2,107,760	45 47	1,697,888	16,649	393,223	1914.	1,188,235	12 00	967,953	1,553	219,730
1878.	2,159,418	45 37	1,780,736	5,594	373,089	1915.	1,191,264	11 83	969,759	1,607	219,998
1879.	2,298,913	47 05	1,887,716	37,015	374,181	1916.	1,225,146	11 96	971,563	1,473	252,110
1880.	2,090,909	41 69	1,709,993	7,621	373,295	1917.	2,975,619	28 57	2,712,549	14,232	248,837
1881.	2,019,286	39 35	1,625,568	6,724	386,994	1918.	12,243,629	115 65	11,985,882	20,243	237,504
1882.	1,856,916	35 37	1,449,810	16,261	390,845	1919.	25,482,034	240 09	25,234,496	11,109	236,429
1883.	1,721,959	32 07	1,324,229	7,831	389,899	1920.	24,976,251	228 32	24,061,095	6,748	230,075
1884.	1,625,307	29 60	1,212,564	19,656	383,088	1921.	23,976,251	221 09	23,737,352	10,940	227,959
1885.	1,578,551	28 11	1,182,151	4,101	392,209	1922.	22,964,079	208 97	22,711,036	25,251	227,793
1886.	1,555,660	27 10	1,132,014	9,704	413,941	1923.	22,349,688	200 10	22,007,591	98,172	243,925
1887.	1,465,485	24 97	1,007,692	6,115	451,678	1924.	21,251,120	186 85	20,981,586	30,241	239,293
1888.	1,384,632	23 09	936,522	2,496	445,613	1925.	20,516,272	177 82	20,210,906	30,243	275,123
1889.	1,249,471	20 39	815,854	1,911	431,705	1926.	19,643,183	167 70	19,383,771	13,328	246,084
1890.	1,122,397	17 92	711,313	1,816	409,268	1927.	18,510,174	156 04	18,250,944	14,707	244,523
1891.	1,005,807	15 75	610,520	1,615	393,663	1928.	17,604,291	146 69	17,317,695	45,332	241,264
1892.	968,219	14 88	585,029	2,786	380,404	1929.	16,931,198	139 40	16,638,941	50,751	241,505
1893.	961,432	14 49	585,037	2,094	374,301	1930.	16,185,308	131 38	15,921,892	31,715	231,701
1894.	1,016,898	15 04	635,042	1,851	380,005	1931.	16,801,485	135 42	16,519,589	51,823	230,074
1895.	1,096,913	15 91	716,202	1,722	378,989	1932.	19,487,010	156 12	19,161,274	60,087	265,650
1896.	1,222,729	17 40	847,364	1,637	373,729	1933.	22,538,672	179 32	22,157,643	65,911	315,118
1897.	1,226,794	17 14	847,365	1,347	378,082	1934.	27,053,141	213 75	26,480,488	54,267	318,387

Date	Gross debt ¹	Interest-bearing debt					Matured debt on which interest has ceased	Debt bearing no interest ¹
		Pre-war loans un-matured	Liberty and Treasury bonds	Notes (Victory Liberty loan and Treasury)	Certificates of indebtedness	Treasury bills, maturity value ⁵		
Apr 5, 1917.	1,281,969	1,023,557					1,459	256,952
June 30, 1918.	12,243,629	966,166	8,963,714			349,797	20,243	237,504
Aug. 31, 1919 ⁶ .	26,594,268	883,643	16,219,399	4,113,405	4,201,209	931,302	9,914	235,576
June 30, 1920.	24,297,918	883,549	15,334,836	4,246,365	2,768,926	827,419	6,748	230,075
June 30, 1921.	23,976,251	883,728	15,235,216	4,224,972	2,699,330	694,105	10,940	227,959
June 30, 1922.	22,964,079	883,840	15,081,613	4,237,780	1,828,787	679,015	25,251	227,793
June 30, 1923.	22,349,688	883,670	15,651,108	4,104,195	1,031,418	337,199	98,172	243,925
June 30, 1924.	21,251,120	883,704	15,141,756	3,735,309	807,514	413,304	30,241	239,293
June 30, 1925.	20,516,272	765,316	16,076,974	2,404,241	578,685	385,690	30,243	275,123
June 30, 1926.	19,643,183	765,860	16,162,418	1,612,404	483,279	359,810	13,328	246,084
June 30, 1927.	18,510,174	766,550	14,453,845	2,019,195	702,096	309,259	14,707	244,523
June 30, 1928.	17,604,291	768,133	12,252,685	2,900,001	1,252,408	144,469	45,332	241,264
June 30, 1929.	16,931,198	770,207	11,354,495	2,861,012	1,640,200	13 028	50,751	241,505
June 30, 1930.	16,185,308	772,545	11,338,791	2,390,287	1,264,355	155,916	31,715	231,701
June 30, 1931.	16,801,485	776,155	12,754,368	620,908	1,923,578	444,580	51,823	230,074
June 30, 1932.	19,487,010	789,567	13,460,091	1,465,254	2,830,730	615,632	60,087	265,650
Dec. 31, 1932.	20,805,108	796,773	13,426,197	3,298,776	2,284,458	641,934	64,360	292,610
June 30, 1933.	22,538,672	806,018	13,417,250	4,779,555	2,200,328	954,493	65,911	315,118
Dec 31, 1933.	23,814,528	821,954	14,747,167	5,124,810	1,753,601	1,002,730	64,389	299,877
June 30, 1934 ³ .	27,053,141	831,350	15,678,507	6,931,551	1,635,045	1,404,035	54,267	318,387

¹ After deducting gold reserve. Figures from 1800 to 1850, inclusive, are as of Jan. 1.² Exclusive of bonds issued to the Pacific railways and the Navy pension fund.³ Preliminary⁴ Treasury only beginning 1923. Victory notes matured May 20, 1923.⁵ For 1918 to 1929, Treasury (war) savings securities⁶ Maximum figure

Source Annual reports of the Secretary of the Treasury.

No. 195.—PUBLIC DEBT OF THE UNITED STATES: DEBT OUTSTANDING BY SPECIFIC LOANS, JUNE 30, 1933

[Amounts in thousands of dollars]

Security	Callable period or payable date	Rate of interest	Amount issued	Amount retired	Amount outstanding
		Percent			
Interest-bearing debt outstanding, total					22, 157, 643
Bonds					
Consols of 1930	After July 1, 1933	2	646, 250	46, 526	599, 724
Panama Canal loan of 1916-1936	July 1, 1933-Aug 1, 1936	2	54, 632	5, 678	48, 954
Panama Canal loan of 1918-1938	July 1, 1933-Nov 1, 1938	2	30, 000	4, 053	25, 947
Panama Canal loan of 1961	June 1, 1961	3	50, 000	200	49, 800
Conversion bonds of 1946-1947	Jan 1, 1946-1947	3	28, 895		28, 895
Postal saving bonds series, 5 to 44	July 1, 1933-July 1, 1953	2½	52, 697		52, 697
First Liberty loan 1—					
First 3½'s	July 1, 1933-June 15, 1947	3½	1, 989, 156	597, 228	1, 392, 227
Converted 4's	do	4	568, 318	563, 316	5, 002
Converted 4½'s	do	4½	555, 212	22, 722	532, 490
Second converted 4½'s	do	4½	3, 482		3, 482
Fourth Liberty loan	Oct 15, 1933-1938	4½	6, 964, 581	696, 486	6, 268, 095
Treasury bonds					
4½ per cent of 1947-1952	Oct 15, 1947-1952	4½	763, 962	4, 979	758, 983
4 per cent of 1944-1954	Dec 15, 1944-1954	4	1, 047, 089	10, 254	1, 036, 835
3½ per cent of 1946-1956	Mar 15, 1946-1956	3½	494, 898	5, 811	489, 087
3¼ per cent of 1943-1947	June 15, 1943-1947	3¼	494, 855	40, 720	454, 135
3¼ per cent of 1940-1943	June 15, 1940-1943	3¼	359, 043	6, 049	352, 994
3¼ per cent of 1941-1943	Mar 15, 1941-1943	3¼	594, 230	49, 314	544, 916
3¼ per cent of 1946-1949	June 15, 1946-1949	3¼	821, 406	1, 908	819, 498
3 per cent of 1951-1955	Sept. 15, 1951-1955	3	800, 424	40, 929	759, 495
Treasury notes					
Series A-1934	May 2, 1934	3	244, 235		244, 235
Series B-1934	Aug 1, 1934	2½	345, 293		345, 293
Series A-1935	June 15, 1935	3	416, 603		416, 603
Series A-1936	Aug 1, 1936	3½	365, 138		365, 138
Series B-1936	Dec 15, 1936	2½	360, 533		360, 533
Series C-1936	Apr 15, 1936	2½	572, 419		572, 419
Series A-1937	Sept. 15, 1937	3½	834, 402		834, 402
Series B-1937	Apr. 15, 1937	3	508, 329		508, 329
Series A-1938	Feb. 1, 1938	2½	277, 517		277, 517
Series B-1938	June 15, 1938	2½	623, 912		623, 912
Civil-service retirement fund 2—					
Series 1934	June 30, 1934 4	4	35, 800		35, 800
Series 1935	June 30, 1935 4	4	32, 400		32, 400
Series 1936	June 30, 1936 4	4	64, 200		64, 200
Series 1937	June 30, 1937 4	4	44, 000		44, 000
Series 1938	June 30, 1938 4	4	50, 400		50, 400
Foreign Service retirement fund 2—					
Series 1934	June 30, 1934 4	4	454		454
Series 1935	June 30, 1935 4	4	509		509
Series 1936	June 30, 1936 4	4	440		440
Series 1937	June 30, 1937 4	4	654		654
Series 1938	June 30, 1938 4	4	62		62
Canal Zone retirement fund 2—					
Series 1936	June 30, 1936 4	4	2, 004	10	1, 994
Series 1937	June 30, 1937 4	4	179		179
Series 1938	June 30, 1938 4	4	84		84
Certificates of indebtedness:					
Tax—					
Series TAG-1933	Aug 15, 1933	4	469, 089		464, 089
Series TS-1933	Sept. 15, 1933	1½	451, 447		451, 447
Series TD-1933	Dec 15, 1933	3½	254, 365		254, 365
Series TD2-1933	do	4½	473, 328		473, 328
Series TM-1934	Mar 15, 1934	3½	460, 099		460, 099
Special—adjusted-service certificate fund, series 1934 5	July 1, 1933-Jan 1, 1934	4	129, 900	37, 900	92, 000
Treasury bills (maturity value) 6					
Series maturing July 5, 1933	July 5, 1933	1 351	100, 096		100, 096
Series maturing July 12, 1933	July 12, 1933	766	75, 733		75, 733
Series maturing July 19, 1933	July 19, 1933	490	75, 188		75, 188
Series maturing July 26, 1933	July 26, 1933	514	80, 265		80, 265
Series maturing Aug. 2, 1933	Aug. 2, 1933	488	60, 655		60, 655
Series maturing Aug. 9, 1933	Aug. 9, 1933	481	75, 067		75, 067
Series maturing Aug. 16, 1933	Aug. 16, 1933	448	75, 442		75, 442
Series maturing Aug. 23, 1933	Aug. 23, 1933	422	60, 078		60, 078
Series maturing Aug. 30, 1933	Aug. 30, 1933	321	100, 352		100, 352
Series maturing Sept. 6, 1933	Sept. 6, 1933	271	75, 529		75, 529
Series maturing Sept. 20, 1933	Sept. 20, 1933	243	100, 361		100, 361
Series maturing Sept. 27, 1933	Sept. 27, 1933	273	75, 697		75, 697

For footnotes see p 196

NO 195.—PUBLIC DEBT OF THE UNITED STATES: DEBT OUTSTANDING BY
SPECIFIC LOANS, JUNE 30, 1933—Continued

[Amounts in thousands of dollars]

Security	Callable period or payable date	Amount outstanding
Matured debt on which interest has ceased	On presentation	65,911
Noninterest-bearing debt, total	do	471,157
Old demand notes	do	53
Fractional currency	do	7 1,986
Legal-tender notes	do	346,681
National and Federal reserve bank notes—redemption account ¹	do	119,103
Thrift and Treasury savings stamps	do	3,334
Total debt		22,694,711
Less gold reserve		156,039
Gross debt as shown on statement of public debt June 30, 1933		22,538,672

¹ Callable and payable dates of all issues of postal-savings bonds fall within the period indicated

² Issues and retirements include conversion transactions

³ Funds acquired during the year are invested in short-term securities redeemable in 1 to 5 years. These issues in varying amounts will be outstanding indefinitely

⁴ Payable date (see note 3)

⁵ Funds are invested in short-term securities which are redeemed from time to time to meet current obligations. These transactions will occur until adjusted-service certificates mature about 1945.

⁶ Treasury bills are sold on a discount basis on competitive bidding. The average sales price gives an approximate yield on a bank discount basis

⁷ After deducting amounts officially estimated to have been lost or irrevocably destroyed

⁸ Balance of deposits by national banks and Federal Reserve banks to redeem their circulating notes.

NO. 196.—PUBLIC DEBT OF THE UNITED STATES. TRANSACTIONS DURING
THE YEARS ENDED JUNE 30, 1928 TO 1933

[All figures in thousands of dollars]

	1928	1929	1930	1931	1932	1933
Gross debt outstanding at beginning of year	18,510,174	17,604,291	16,931,198	16,135,308	16,801,485	19,487,010
Interest-bearing debt	18,250,944	17,317,695	16,638,941	15,921,892	16,519,589	19,161,274
Matured debt on which interest has ceased	14,707	45,332	50,751	31,715	51,823	65,911
Debt bearing no interest (less gold reserve)	244,523	241,264	241,505	231,701	230,074	265,650
Public debt issues	6,855,341	5,194,342	3,792,970	6,573,118	9,634,226	9,697,083
Pre-war issues	1,583	2,075	2,338	3,610	13,872	18,380
Certificates of indebtedness	5,419,284	4,637,488	3,201,562	3,759,219	5,100,607	2,560,228
Treasury bills			312,024	1,059,761	2,335,649	3,061,895
Treasury notes	1,365,247	161,077	178,986	309,525	1,310,607	3,062,694
Treasury bonds	27,053	359,043		1,415,636	800,424	
Treasury (war) savings securities	17,052	10,015	550	3		2
National and Federal Reserve bank notes, deposits for retirement	25,122	24,644	27,510	25,364	73,067	93,884
Public debt redemptions	7,761,224	5,867,435	4,468,860	5,956,941	6,949,701	6,845,420
Pre-war issues	88	109	202	72	508	2,016
Certificates of indebtedness	4,867,363	4,240,027	3,578,968	3,107,279	4,172,352	3,181,689
Treasury bills			156,046	771,149	2,150,724	2,719,362
First Liberty loan		5	5,597	24	314	
Second Liberty loan	1,273,632	23,143	4,093	1,518	913	654
Third Liberty loan	918,816	1,208,395	10,788	3,151	1,447	1,096
Fourth Liberty loan	2,863	15,684	10,108	33	118	5
Victory Liberty loan	959	497	290	179	138	152
Treasury notes	490,215	201,477	649,919	2,045,999	490,070	653,015
Treasury bonds	150	12,695		1	94,270	42,834
Treasury (war) savings securities	178,827	141,055	15,572	585	392	210
National bank and Federal Reserve bank notes, retirements	27,687	24,346	37,276	26,946	37,454	44,383
Miscellaneous noninterest-bearing debt	619	1	1	1	1	2
Gross debt outstanding at close of year	17,604,291	16,931,198	16,185,308	16,801,485	19,487,010	22,538,672
Interest-bearing debt	17,317,695	16,638,941	15,921,892	16,519,589	19,161,274	22,157,643
Matured debt on which interest has ceased	45,332	50,751	31,715	51,823	65,911	
Debt bearing no interest (less gold reserve)	241,264	241,505	231,701	230,074	265,650	315,118

Source of Tables 195 and 196. Treasury Department

No 197.—TAX-EXEMPT SECURITIES: ESTIMATED AMOUNTS OUTSTANDING, INTEREST WHOLLY EXEMPT FROM FEDERAL INCOME TAXES, AND UNITED STATES SECURITIES OUTSTANDING, INTEREST EXEMPT FROM NORMAL FEDERAL INCOME TAXES

[In millions of dollars]

Dec. 31—	Interest exempt from normal income tax and surtax										Securities outstanding, interest exempt from normal tax
	Total outstanding issues					Net outstanding issues ¹					
	Total	States, countries, cities, etc ²	Territories and possessions	United States Government ³	Federal farm-loan system ⁴	Total	States, countries, cities, etc ²	Territories and possessions	United States Government ³	Federal farm-loan system ⁴	
1912.....	5,333	4,332	35	965	-----	4,716	3,717	34	965	-----	-----
1913.....	5,726	4,724	35	967	-----	5,048	4,047	34	967	-----	-----
1914.....	6,196	5,190	37	969	-----	5,455	4,450	36	969	-----	-----
1915.....	6,689	5,679	39	971	-----	5,902	4,893	38	971	-----	-----
1916.....	7,133	6,117	44	972	-----	6,289	5,274	43	972	-----	-----
1917.....	9,072	6,539	45	2,461	27	8,120	5,588	44	2,461	27	4,655
1918.....	9,302	6,796	46	2,307	153	8,207	5,763	45	2,307	92	18,515
1919.....	11,086	7,455	48	3,235	345	9,828	6,336	47	3,235	210	22,860
1920.....	11,530	8,043	57	3,038	392	10,142	6,838	56	3,038	210	20,707
1921.....	12,496	9,155	76	2,749	516	11,017	7,863	72	2,749	333	20,440
1922.....	13,393	10,121	119	2,294	849	11,886	8,741	115	2,294	736	20,189
1923.....	14,455	10,844	125	2,294	1,192	12,850	9,348	118	2,294	1,090	19,350
1924.....	15,834	12,009	131	2,294	1,400	14,101	10,390	119	2,294	1,298	18,418
1925.....	17,144	13,275	144	2,168	1,557	15,288	11,513	129	2,168	1,478	17,727
1926.....	18,142	14,089	156	2,164	1,733	16,215	12,180	142	2,164	1,729	16,454
1927.....	19,281	15,174	169	2,165	1,773	17,221	13,132	151	2,165	1,773	15,182
1928.....	20,281	16,142	164	2,167	1,808	18,091	13,970	146	2,167	1,808	14,343
1929.....	22,510	17,368	167	3,165	1,810	20,180	15,050	155	3,165	1,810	13,137
1930.....	24,056	18,574	166	3,485	1,831	21,571	16,099	156	3,485	1,831	11,508
1931.....	26,458	19,494	164	5,011	1,789	24,700	17,747	153	5,011	1,789	12,125
1932.....	29,910	20,041	161	8,063	1,615	28,072	18,219	145	8,063	1,645	12,034
1933.....	31,047	19,429	156	9,725	1,737	29,228	17,634	132	9,725	1,737	13,355

¹ Excludes amounts held in sinking fund or owned by U. S. Government

² Revised series. Data for 1912, 1922, and 1931 from compilation of the Bureau of the Census; estimates of long-term debt for intervening years built up by addition of net issue statistics published in the State and Local Compendium of the Commercial and Financial Chronicle adjusted to agree with census statistics, estimates of short-term debt for intercensal years are based on incomplete data and probably possess a considerable margin of error

³ Includes short-term debt in the form of Treasury bills, certificates of indebtedness, and Treasury notes.

⁴ Does not include stocks

Source: Annual Report of the Secretary of the Treasury for 1934.

No. 198.—OBLIGATIONS OF FOREIGN GOVERNMENTS TO UNITED STATES: AMOUNTS OF INDEBTEDNESS AND PAYMENTS ON ACCOUNT
[All figures in thousands of dollars Indebtedness includes accrued interest]

Country	Total indebtedness Dec 31		Payments to Dec 31, 1933			Payments during year ended Dec 31, 1933		
	1932 ¹	1933 ¹	Total	Principal	Interest	Total	Principal	Interest
Total.....	11,786,484	11,986,238	2,746,602	757,263	1,989,339	20,338	394	19,943
Armenia.....	19,715	20,313	-----	-----	-----	-----	-----	-----
Austria.....	23,752	23,752	863	863	-----	-----	-----	-----
Belgium.....	406,555	411,167	52,191	19,158	33,034	-----	-----	-----
Cuba.....	-----	-----	12,287	10,000	2,287	-----	-----	-----
Czechoslovakia.....	165,571	165,283	20,134	19,830	304	330	330	-----
Estonia.....	17,204	17,785	1,248	-----	1,248	-----	-----	-----
Finland.....	8,803	8,727	3,519	519	3,001	378	65	314
France.....	3,921,548	3,960,772	486,076	226,040	260,036	-----	-----	-----
Great Britain.....	4,499,520	4,626,157	2,024,849	434,182	1,590,667	17,501	-----	17,501
Greece.....	32,183	32,574	3,157	984	2,173	67	-----	67
Hungary.....	1,994	2,052	468	74	394	-----	-----	-----
Italy.....	2,007,406	2,008,103	100,880	37,464	63,366	2,000	-----	2,000
Latvia.....	7,085	7,313	762	9	752	16	-----	16
Liberia.....	-----	-----	36	26	10	-----	-----	-----
Lithuania.....	6,384	6,555	1,238	235	1,003	17	-----	17
Nicaragua.....	394	417	160	142	27	-----	-----	-----
Poland.....	215,290	222,560	22,646	1,287	21,359	-----	-----	-----
Rumania.....	63,861	63,861	4,791	4,499	292	29	-----	29
Russia.....	327,593	337,223	3,749	-----	8,749	-----	-----	-----
Yugoslavia ⁴	61,625	61,625	2,589	1,953	636	-----	-----	-----

¹ Includes amounts postponed and payable under the moratorium

² Includes receipts of 22,734,824 ounces of silver accepted at value of \$11,367,412

³ Represents proceeds of liquidation of financial affairs of Russian Government in this country.

⁴ Did not accept provisions of the moratorium and has not paid \$250,000 due during the fiscal year 1932.

Source: Treasury Department.

No. 199.—SUMMARY OF SECURITIES OWNED BY THE UNITED STATES GOVERNMENT, AS OF JUNE 30, 1931 TO 1933

NOTE.—This statement is made up on the basis of the face value of the securities as received by the United States, with due allowance for repayments. It does not include securities which the United States holds as collateral, or as the result of the investment of trust funds; as, for example, securities held for the account of the Alien Property Custodian, the Government life insurance fund, and other similar trust funds

[All figures in thousands of dollars]

Class of security	1931	1932	1933
Grand total.....	12, 333, 718	13, 441, 592	14, 776, 525
Foreign obligations.....	11, 746, 109	11, 777, 317	11, 747, 249
Received under debt settlements.....	11, 062, 898	11, 094, 106	11, 064, 038
All other ¹	683, 211	683, 211	683, 210
Capital stock of war emergency corporations ²	46, 673	49, 514	56, 335
Emergency Fleet Corporation.....	19, 778	22, 935	29, 890
U S Housing Corporation.....	26, 795	26, 479	26, 345
U S Spruce Corporation.....	100	100	100
Reconstruction Finance Corporation ²	—	767, 735	2, 057, 959
Railroad obligations.....	39, 942	38, 926	38, 482
Capital stock of Panama R R.....	7, 000	7, 000	7, 000
Capital stock of Inland Waterways Corporation.....	12, 000	12, 000	12, 000
Capital stock of Federal land banks.....	238	125, 176	124, 872
Capital stock of Federal home loan banks.....	—	—	42, 970
Capital stock of Home Owners' Loan Corporation.....	—	—	1, 000
Capital stock of Federal intermediate credit banks.....	30, 000	32, 000	60, 000
Securities received by War and Navy Departments on account of sales of surplus war supplies and property.....	5, 817	5, 766	5, 752
Securities received by U. S. Shipping Board on account of sales of ships, etc.....	100, 484	138, 851	157, 454
Notes received by Federal Farm Board on account of advances from revolving fund created by the Agricultural Marketing Act.....	343, 454	487, 307	465, 452

¹ Figures do not include interest accrued and unpaid

² Figures represent balance after offsetting the deposits made by the corporations with the Treasury against holdings of capital stock. Capital stock outstanding of the War Finance Corporation, which is in liquidation, was more than offset by deposits with the Treasury

No. 200.—MONEY COST OF WORLD WAR TO UNITED STATES GOVERNMENT TO JUNE 30, 1933

NOTE.—Data, which are partly estimated, include expenditures during the war period taken as extending from Apr 6, 1917, to June 30, 1921, and continuing costs, expenses of the Veterans' Bureau and interest on war debt. They make allowance for estimated normal expenditures under the War and Navy Departments, receipts on account of the sale of war supplies and surplus Government property, and assets held on June 30, 1921, except foreign obligations and amounts due from Germany account of army of occupation, which are taken as of June 30, 1933

[All figures in thousands of dollars]

	Total war costs	Receipts	Assets June 30, 1921 (partly estimated)	Net war costs
Total.....	55, 318, 158	4, 785, 432	9, 949, 664	40, 533, 062
Military activities.....	16, 283, 569	981, 574	452, 402	14, 849, 594
Naval activities.....	3, 480, 782	24, 459	55, 000	3, 401, 343
War emergency corporations ¹	4, 387, 600	487, 729	874, 598	3, 025, 273
War expenditures under other departments and war agencies ²	3, 524, 811	597, 787	67, 664	2, 859, 360
Interest on war debt to June 30, 1933.....	11, 779, 641	—	—	11, 779, 641
Foreign obligations (June 30, 1933).....	9, 609, 886	2, 693, 903	4, 850, 000	57, 584, 077
Veterans' Bureau (continuing cost to June 30, 1933) ³	6, 163, 731	—	—	6, 163, 731
Settlement of war claims act of 1928.....	88, 137	—	—	88, 137

¹ Includes data for War Finance Corporation revised to June 30, 1929, and of United States Shipping Board Emergency Fleet Corporation revised to June 30, 1930.

² Includes expenditures, receipts, etc., under Federal control of transportation systems

³ Represents obligations acquired for cash advances under Liberty bond acts

⁴ Value June 30, 1933, on the basis of 4 per cent per annum, payable semiannually (approximately the average rate of interest United States is paying on its long term public debt), of payments to be received on all accounts under funding agreements

⁵ Credit, deduct

⁶ Expenditures prior to 1922 by the War Risk Bureau are included with "War expenditures under other departments and war agencies"

Source of Tables 199 and 200 Annual Report of the Secretary of the Treasury

10. STATE AND LOCAL GOVERNMENT FINANCES

No. 201.—REVENUE RECEIPTS, GOVERNMENTAL-COST PAYMENTS AND DEBT: ALL CLASSES OF GOVERNMENT ORGANIZATIONS IN THE UNITED STATES

	Amount (thousand of dollars)				Per capita (dollars)			
	1902	1912	1922	1932	1902	1912	1922	1932
Revenue receipts, total ¹		2, 789, 931		11, 477, 250		28 74		92 18
National		² 953, 597		² 2, 625, 333		² 9 82		² 20 97
States		367, 585		2, 207, 935		3 80		17 83
Counties		370, 043		1, 313, 832		4 32		11 99
Cities, towns, villages, and boroughs with a population of 2,500 or over								
All other civil divisions ³		1, 098, 706		3, 221, 895		24 33		45 99
				2, 108, 255				(⁴)
Governmental-cost payments, total ¹		2, 957, 392		13, 468, 171		30 46		108 18
National		² 952, 601		² 3, 906, 556		² 9 81		² 31 20
States		382, 551		2, 505, 835		3 95		20 24
Counties		385, 182		1, 411, 826		4 49		12 88
Cities, towns, villages and boroughs with a population of 2,500 or over								
All other civil divisions ⁴		1, 237, 058		3, 449, 561		27 40		49 24
				2, 195, 393				(⁴)
Debt, gross less sinking fund assets	2, 838, 896	4, 850, 460	30, 845, 626	39, 424, 080	35 93	49 97	283 70	316 63
National ⁵	969, 457	1, 028, 564	22, 155, 886	21, 834, 565	12 22	10 59	203 78	174 40
States	239, 369	345, 942	935, 544	2, 373, 634	3 03	3 57	8 64	19 17
Counties	196, 565	371, 600	1, 273, 276	2, 390, 830	2 80	4 33	13 19	21 82
Cities, towns, villages, and boroughs	1, 346, 843	2, 871, 622	4, 679, 352	8, 842, 189	(⁴)	54 29	71 26	111 45
All other civil divisions	86, 662	232, 732	1, 801, 568	3, 982, 862	(⁴)	(⁴)	(⁴)	(⁴)

¹ Data for 1902 and 1922 not available for all classes. ² Data for years ended June 30, 1913 and 1933.

³ Including cities, towns, villages, etc., of less than 2,500 inhabitants; data available for 1933 only.

⁴ Not computed.

⁵ Gross debt less cash in Treasury as of June 30, 1903, 1913, 1923, and 1933.

No. 202.—REVENUE RECEIPTS AND GOVERNMENTAL-COST PAYMENTS OF STATE AND LOCAL GOVERNMENTS, 1932

NOTE.—All figures, except per capita, in thousands of dollars. Data are for the fiscal year closing between July 1, 1931, and June 30, 1932, except for a few States for which June 30, 1931, figures were used

	States	Counties	Cities, towns, villages, boroughs	Other local
Revenue receipts, total	2, 207, 935	1, 313, 832	3, 373, 594	1, 956, 556
Per capita	\$17 83	\$11 99	\$42 54	(¹)
From taxes, total	1, 641, 850	1, 020, 835	2, 251, 289	1, 443, 773
General property	323, 477	877, 142	2, 057, 495	1, 426, 670
Inheritance	143, 959	1, 547	3, 048	262
Income	47, 852	1, 691	49, 600	2, 682
All other special	141, 856	3, 193	19, 304	2, 647
Poll	5, 321	5, 312	4, 807	3, 218
Licenses and permits	979, 385	132, 050	116, 635	8, 294
Special assessments	26, 060	32, 146	226, 430	36, 529
Fines, forfeits, and escheats	5, 833	10, 314	19, 421	745
Subventions and grants	249, 282	139, 077	137, 784	341, 726
Donations, gifts, and pension assessments	32, 034	2, 534	33, 303	2, 007
Highway privileges, rents, and interest	37, 996	19, 149	130, 951	18, 010
Earnings of general departments	154, 701	88, 956	87, 415	80, 889
Earnings of public service enterprises	10, 179	821	487, 001	31, 997
Governmental-cost payments, total	2, 505, 835	1, 411, 826	3, 594, 647	2, 050, 307
Per capita	\$20 24	\$12 88	\$45 32	(¹)
Operation and maintenance of general departments	1, 501, 393	981, 192	2, 070, 192	1, 496, 331
General government	123, 333	251, 150	(²)	(²)
Protection to person and property	86, 875	44, 231	(²)	(²)
Health and sanitation	37, 292	32, 778	(²)	(²)
Highways	235, 690	236, 350	(²)	(²)
Charities, hospitals, and corrections	274, 920	182, 120	(²)	(²)
Schools	602, 065	178, 406	(²)	(²)
Libraries	2, 405	3, 772	(²)	(²)
Recreation	8, 054	7, 618	(²)	(²)
Development and conservation of natural resources	72, 965		(²)	(²)
Miscellaneous	57, 794	44, 767	(²)	(²)
Operation and maintenance of public service enterprises	6, 330	489	282, 891	18, 234
Interest	112, 258	118, 875	424, 139	188, 596
Outlays	885, 554	311, 270	817, 425	347, 146

¹ Not computed.

² Not available

Source of Tables 201 and 202 Bureau of the Census, Department of Commerce.

No. 203.—LOCAL GOVERNMENT FINANCES: REVENUE

[All figures, except per capita

Division and State	All local ¹							Counties	
	Revenue receipts				Governmental-cost payments			Revenue receipts	
	Total	Per capita	From taxes		Total	Per capita	Operation, maintenance, and interest	Total	Per capita
			Total	General property					
1 Grand total.....	6, 643, 982	\$58 36	4, 715, 897	4, 361, 807	7, 056, 780	\$56 68	5, 580, 939	1, 313, 832	\$11 99
2 New England.....	508, 457	61 68	411, 739	384, 045	551, 376	66 88	439, 536	17, 149	2 57
3 Maine.....	33, 988	42 49	25, 146	24, 011	36, 944	46 18	29, 375	1, 961	2 45
4 New Hampshire.....	26, 614	56 87	21, 410	19, 275	24, 870	53 14	21, 012	1, 805	3 86
5 Vermont.....	14, 146	39 29	10, 084	9, 995	14, 265	39 63	12, 207	73	20
6 Massachusetts.....	300, 999	72 26	252, 171	212, 413	339, 095	79 04	265, 827	11, 395	3 35
7 Rhode Island.....	32, 959	47 35	26, 561	26, 250	38, 717	55 63	29, 069	-----	-----
8 Connecticut.....	90, 751	55 68	76, 367	72, 101	97, 485	59 81	82, 046	1, 915	1 17
9 Middle Atlantic.....	1, 923, 178	72 12	1, 407, 208	1, 317, 835	2, 210, 898	82 90	1, 653, 038	207, 805	11 80
10 New York.....	1, 131, 165	88 29	844, 738	777, 300	1, 277, 196	99 69	945, 031	86, 587	15 13
11 New Jersey.....	335, 288	81 14	213, 854	200, 163	417, 468	101 03	305, 325	57, 676	13 96
12 Pennsylvania.....	456, 723	46 97	348, 616	340, 372	516, 234	53 09	402, 682	63, 542	8 20
13 East North Central.....	1, 584, 389	61 68	1, 106, 993	1, 040, 859	1, 585, 278	61 72	1, 254, 000	307, 745	11 98
14 Ohio.....	418, 206	62 08	301, 392	273, 928	416, 417	61 81	324, 548	90, 609	13 45
15 Indiana.....	163, 137	49 89	127, 032	125, 802	158, 878	48 59	131, 780	32, 830	10 04
16 Illinois.....	469, 902	60 66	333, 420	314, 759	484, 550	62 55	365, 692	46, 330	5 98
17 Michigan.....	341, 703	68 86	214, 096	208, 201	328, 808	66 27	270, 417	82, 046	16 83
18 Wisconsin.....	191, 441	64 46	130, 453	118, 169	196, 625	66 20	152, 563	55, 930	18 83
19 West North Central.....	663, 931	49 65	482, 342	438, 472	667, 936	49 95	538, 504	185, 388	14 78
20 Minnesota.....	156, 278	60 53	107, 486	102, 525	148, 001	57 32	119, 034	40, 357	15 63
21 Iowa.....	149, 032	60 14	118, 683	83, 831	150, 670	60 80	113, 190	66, 843	26 97
22 Missouri.....	132, 550	36 30	99, 610	93, 697	148, 668	40 71	115, 178	19, 202	6 81
23 North Dakota.....	27, 781	40 62	22, 576	20, 682	28, 464	41 61	25, 494	8, 122	11 87
24 South Dakota.....	34, 750	49 71	27, 354	25, 323	31, 875	45 60	27, 719	10, 317	14 76
25 Nebraska.....	64, 840	46 78	43, 682	40, 707	64, 363	46 44	56, 812	16, 017	11 56
26 Kansas.....	98, 670	52 15	72, 951	71, 707	95, 895	50 68	81, 077	24, 530	12 97
27 South Atlantic.....	499, 943	31 29	348, 826	316, 328	502, 482	31 45	432, 696	167, 978	12 04
28 Delaware.....	10, 829	45 12	5, 446	5, 307	10, 998	45 83	7, 831	3, 264	13 60
29 Maryland.....	71, 025	43 05	52, 762	47, 931	83, 186	50 42	63, 577	18, 673	22 42
30 Dist. of Columbia.....	45, 284	92 04	29, 929	24, 697	48, 134	97 83	34, 453	-----	-----
31 Virginia.....	63, 967	26 29	43, 825	37, 018	64, 230	26 40	55, 709	26, 217	15 26
32 West Virginia.....	52, 497	29 00	47, 134	46, 655	53, 490	30 46	44, 489	17, 032	9 70
33 North Carolina.....	79, 384	24 56	56, 369	52, 479	82, 494	25 52	76, 162	42, 052	13 01
34 South Carolina.....	36, 783	21 09	23, 741	22, 211	30, 533	17 51	28, 968	12, 735	7 30
35 Georgia.....	59, 460	20 43	39, 898	34, 947	56, 880	19 55	52, 472	17, 853	6 14
36 Florida.....	80, 714	53 14	49, 722	45, 083	72, 517	47 74	69, 055	30, 152	19 85
37 East South Central.....	221, 754	22 20	147, 008	129, 434	229, 930	23 02	196, 927	99, 548	9 97
38 Kentucky.....	55, 182	20 94	39, 699	37, 482	57, 023	21 64	47, 578	11, 864	4 50
39 Tennessee.....	65, 646	24 82	42, 874	39, 350	69, 889	26 42	59, 051	32, 419	12 26
40 Alabama.....	51, 609	19 28	28, 726	24, 426	53, 626	20 03	45, 635	32, 405	12 10
41 Mississippi.....	49, 317	24 27	35, 709	28, 176	49, 392	24 31	44, 663	22, 860	11 25
42 West South Central.....	366, 932	29 66	242, 415	226, 312	401, 220	32 43	324, 212	86, 482	7 26
43 Arkansas.....	30, 746	16 49	10, 640	15, 526	29, 283	15 70	27, 396	11, 851	6 35
44 Louisiana.....	68, 762	32 25	45, 925	41, 392	79, 080	37 09	60, 070	6, 186	3 72
45 Oklahoma.....	76, 818	31 57	48, 946	47, 881	88, 375	36 32	73, 694	20, 352	8 38
46 Texas.....	190, 608	32 07	130, 904	121, 513	204, 482	34 41	163, 052	48, 043	8 08
47 Mountain.....	203, 671	54 45	133, 350	126, 225	200, 979	53 73	179, 492	62, 605	18 16
48 Montana.....	29, 193	54 30	22, 942	21, 477	28, 210	52 47	26, 208	11, 262	20 95
49 Idaho.....	26, 882	60 27	18, 198	16, 593	24, 887	55 80	23, 310	7, 824	17 54
50 Wyoming.....	13, 912	60 75	8, 633	8, 053	13, 161	57 47	12, 247	4, 780	20 87
51 Colorado.....	62, 898	60 13	40, 096	38, 806	63, 124	60 35	54, 820	15, 269	20 28
52 New Mexico.....	12, 518	29 11	8, 518	8, 298	12, 007	27 92	10, 846	2, 371	5 51
53 Arizona.....	30, 028	67 33	16, 728	15, 480	29, 490	66 12	26, 615	12, 513	28 06
54 Utah.....	20, 601	40 08	13, 225	12, 930	22, 637	44 04	18, 769	4, 401	8 56
55 Nevada.....	7, 639	83 03	5, 010	4, 588	7, 463	81 12	6, 677	4, 185	45 49
56 Pacific.....	671, 729	79 39	428, 018	401, 797	706, 701	83 52	562, 534	179, 152	22 95
57 Washington.....	103, 964	63 63	55, 445	54, 519	113, 451	71 62	86, 996	20, 172	12 73
58 Oregon.....	55, 613	67 27	37, 982	36, 586	55, 541	57 20	46, 405	15, 725	16 19
59 California.....	512, 152	86 72	332, 589	310, 692	537, 709	91 04	429, 133	143, 255	27 29

¹ Includes school districts, townships, and other civil divisions not shown separately

RECEIPTS AND GOVERNMENTAL-COST PAYMENTS, 1932

in thousands of dollars]

Counties—Continued					Cities, towns, villages, and boroughs							
Revenue receipts—Con		Governmental-cost payments			Revenue receipts				Governmental-cost payments			
From taxes		Total	Per capita	Operation, maintenance, and interest	Total	Per capita	From taxes		Total	Per capita	Operation, maintenance, and interest	
Total	General property						Total	General property				
1,020,835	877,142	1,411,826	\$12 88	1,100,556	3,373,594	\$42 54	2,251,289	2,057,495	3,594,647	\$45 32	2,777,232	1
14,046	13,414	17,826	2 68	13,536	412,750	60 85	337,798	293,995	452,980	66 79	359,821	2
1,507	1,507	2,060	2 58	1,680	12,171	36 49	9,838	9,267	13,041	39 10	11,152	3
1,618	1,618	2,265	4 34	2,076	10,751	46 14	9,110	7,990	10,280	44 12	8,605	4
66	66	112	3 1	77	4,969	31 08	3,275	3,249	4,938	30 89	4,159	5
9,475	9,100	11,655	3 43	7,902	297,912	69 28	242,393	203,010	323,830	76 00	257,316	6
1,320	1,063	1,728	1 06	1,711	32,672	46 84	26,401	26,090	38,418	55 07	28,827	7
					54,275	51 28	46,781	44,389	59,473	66 20	49,762	8
170,546	149,426	271,775	15 44	172,845	1,292,323	60 43	955,174	892,136	1,423,863	66 58	1,04,775	9
72,359	60,176	119,906	20 96	64,662	915,550	32 57	688,945	638,048	976,060	38 02	765,310	10
41,765	38,855	71,451	17 29	53,426	195,584	58 26	136,805	126,860	228,098	67 94	180,158	11
50,422	50,395	80,418	10 37	54,757	181,189	26 10	129,424	127,228	216,705	31 65	159,307	12
209,340	186,884	303,477	11 81	229,690	659,273	34 24	375,479	336,055	670,966	34 85	516,703	13
69,230	60,964	87,683	13 02	62,121	169,444	33 37	91,116	74,459	171,522	33 78	126,006	14
25,806	25,481	30,771	9 41	25,109	47,634	22 31	28,543	27,908	47,513	22 25	36,726	15
25,630	18,745	54,198	7 00	40,454	174,150	27 33	85,629	73,877	180,332	28 31	130,556	16
52,746	47,800	68,592	13 78	50,059	169,249	44 70	99,724	98,745	171,283	45 30	145,095	17
35,928	33,834	62,433	21 02	45,917	98,796	52 31	70,467	61,066	100,316	53 11	77,720	18
152,322	108,023	196,787	15 69	134,743	220,583	28 74	131,350	122,330	217,452	28 33	187,090	19
27,770	24,156	34,848	13 50	23,479	69,971	43 37	45,194	43,863	68,202	42 27	54,225	20
58,357	24,351	75,369	30 42	43,958	29,094	19 95	16,773	15,927	26,740	18 34	21,190	21
17,031	16,877	24,674	8 74	17,249	61,573	27 05	39,704	34,021	69,857	30 69	49,027	22
7,497	5,991	8,741	12 78	6,731	4,538	17 87	2,124	2,047	3,955	15 57	3,558	23
9,799	7,872	10,435	14 93	8,144	6,715	24 03	3,684	3,598	6,050	21 65	5,047	24
11,991	9,452	17,695	12 77	14,603	18,956	24 86	10,212	9,826	16,713	21 92	13,983	25
19,877	19,324	25,025	13 23	20,579	29,736	28 81	13,659	13,048	25,985	25 12	20,060	26
129,125	115,231	166,723	11 95	149,429	247,441	35 40	155,827	137,512	253,718	36 30	208,722	27
2,289	2,272	3,132	13 05	2,591	7,472	48 38	3,064	2,942	7,797	50 48	5,171	28
15,191	14,099	19,962	23 96	16,700	50,977	48 02	37,262	33,532	61,087	57 54	45,869	29
					45,284	92 04	20,929	24,697	48,134	97 83	34,433	30
19,192	15,482	25,519	14 86	22,960	37,060	41 04	24,569	21,472	38,469	41 92	32,655	31
15,713	15,479	17,433	9 93	12,760	8,153	12 45	5,856	5,615	8,192	12 51	6,806	32
34,152	31,455	40,439	14 37	43,151	27,061	24 90	13,745	12,508	25,083	23 08	23,138	33
7,389	6,971	9,561	5 48	8,839	9,404	18 29	5,972	5,060	8,377	16 29	7,837	34
16,168	13,723	16,829	5 78	15,119	25,851	21 74	15,580	13,074	24,441	20 56	22,554	35
19,031	15,750	27,483	18 33	27,309	35,579	38 70	19,850	18,552	32,138	34 95	30,269	36
72,024	62,225	102,396	10 25	91,403	89,432	25 65	56,940	50,023	95,216	27 31	76,453	37
10,806	10,304	11,688	4 44	10,905	25,778	25 92	17,621	16,145	28,452	28 61	21,417	38
22,985	20,874	33,643	12 72	30,059	30,693	29 59	19,458	18,048	33,738	32 53	27,076	39
17,817	16,974	32,944	12 31	29,217	19,204	20 62	10,909	7,452	20,682	22 21	16,418	40
20,416	14,073	24,121	11 87	21,222	13,757	26 29	8,952	8,378	12,344	23 59	11,542	41
65,724	55,497	92,958	7 81	76,240	123,012	21 86	74,713	70,857	133,745	23 77	102,861	42
5,426	5,015	11,751	6 30	11,073	3,527	6 40	2,374	1,671	3,273	5 94	2,979	43
5,329	4,664	6,384	3 84	6,117	31,978	32 58	19,663	17,803	36,433	37 12	27,011	44
11,622	11,413	23,432	9 03	18,949	23,174	19 68	12,252	11,396	23,855	20 26	18,731	45
43,347	34,405	51,391	8 65	40,101	64,333	22 06	40,424	39,987	70,184	24 07	53,640	46
52,417	47,684	61,277	17 77	57,198	51,690	28 33	26,445	24,635	52,491	26 74	40,897	47
10,154	8,820	10,905	20 28	10,016	5,569	22 06	2,863	2,735	4,998	19 80	4,537	48
7,225	6,186	7,756	17 39	7,265	4,124	20 00	2,174	2,127	3,696	17 92	3,460	49
4,106	3,694	4,486	19 59	4,133	3,122	26 31	1,524	1,413	2,749	23 16	2,494	50
11,946	11,264	15,151	20 31	13,931	22,904	35 47	11,376	10,768	23,114	35 80	17,593	51
1,999	1,993	2,364	5 50	2,299	2,369	17 15	1,156	948	2,050	14 84	1,585	52
9,791	8,755	12,155	27 25	11,796	5,599	31 38	2,667	2,455	5,805	32 54	4,317	53
3,684	3,664	4,569	8 89	4,033	6,778	18 38	3,754	3,479	8,733	23 68	5,883	54
3,512	3,308	3,891	42 29	3,723	1,225	22 42	928	710	1,346	24 64	1,028	55
155,291	138,758	198,607	25 45	175,474	277,090	45 10	137,563	129,952	294,216	47 89	200,400	56
17,431	16,989	21,918	13 84	18,980	47,998	46 84	17,989	17,000	52,616	51 35	33,569	57
12,413	11,350	16,852	17 36	12,926	19,080	31 90	9,732	9,399	18,042	30 17	14,570	58
125,447	110,439	159,837	30 45	143,568	210,012	46 45	109,842	102,953	223,558	49 44	152,261	59

Source: Bureau of the Census, Department of Commerce.

No. 204.—STATE FINANCES—REVENUES AND EXPENDITURES BY STATES, 1932

[All figures, except per capita, in thousands of dollars]

Division and State	Revenue receipts							Governmental-cost payments			
	Total		From taxes					Total		Operation, maintenance, and interest	Outlays ¹
	Amount	Per capita	Total ¹	General property	Inheritance	Income	Licenses and permits ²	Amount	Per capita		
Grand total.....	2,207,935	\$17 83	1,641,850	323,477	143,959	47,852	979,385	2,505,835	\$20.24	1,619,981	885,584
New England.....	169,886	90 64	131,463	19,369	18,638	1,217	70,155	178,747	21.72	110,176	68,571
Maine.....	22,472	28 72	17,408	4,885	921	-----	10,490	26,735	33 48	15,763	11,022
N. Hampshire ³	11,398	24 46	8,559	2,812	380	-----	5,573	13,034	28 01	10,713	2,341
Vermont.....	10,884	30 23	8,777	1,138	432	496	4,877	10,260	28 50	6,683	3,577
Massachusetts ³	74,020	17 30	56,269	7,500	11,688	721	23,866	74,058	17 31	44,884	29,174
Rhode Island.....	13,141	18 88	10,326	1,185	1,120	-----	5,494	13,189	18 95	8,812	4,377
Connecticut.....	37,471	22 99	29,824	1,842	4,097	-----	19,855	41,401	25 40	23,321	18,080
Middle Atlantic.....	519,828	19 50	415,325	37,821	75,072	19,473	201,694	647,457	24 28	480,315	187,142
New York.....	257,569	20 10	206,894	2,230	45,802	19,473	102,574	362,210	28 27	261,516	100,694
New Jersey.....	92,418	22 37	75,792	35,661	10,337	-----	25,612	119,556	28 93	74,717	44,839
Pennsylvania.....	169,841	17 48	132,639	-----	18,933	-----	73,508	165,691	17 05	124,082	41,609
E. N. Central.....	403,015	15 71	316,364	81,270	21,543	7,815	187,428	409,995	15 98	270,729	139,266
Ohio ³	88,328	13 16	64,151	5,000	3,789	-----	49,718	76,977	11 47	50,606	26,371
Indiana ³	58,410	17 93	43,706	14,516	1,944	-----	26,449	50,153	15 39	29,748	20,407
Illinois.....	88,998	11 49	73,865	18,154	6,534	-----	44,973	107,805	13 92	70,430	37,375
Michigan.....	102,263	20 61	84,026	36,060	5,530	-----	34,820	102,188	20 59	76,442	25,746
Wisconsin.....	65,016	21 89	50,616	7,540	3,696	7,815	31,468	72,870	24 54	43,503	29,367
W. N. Central.....	245,219	18 35	164,396	45,843	5,898	3,635	108,122	282,882	21 16	157,481	125,401
Minnesota.....	60,578	23 46	40,936	9,921	1,594	-----	29,819	74,993	29 04	44,639	30,357
Iowa.....	43,023	17 36	32,470	9,822	1,685	-----	21,681	49,466	19 96	24,258	25,208
Missouri.....	51,481	14 12	36,756	5,889	2,753	3,419	22,606	64,611	17 72	32,723	31,888
North Dakota.....	15,311	22 49	6,070	2,628	15	216	3,204	16,302	23 83	12,453	3,849
South Dakota.....	17,330	24 79	9,492	4,904	241	-----	4,933	18,412	26 34	11,891	6,521
Nebraska.....	23,562	17 00	15,155	5,923	56	-----	9,019	25,443	18 36	13,809	11,634
Kansas.....	33,855	17 89	23,517	7,721	431	-----	15,360	33,655	17 79	17,771	15,884
South Atlantic.....	247,751	16 01	186,291	28,732	6,173	13,659	125,096	273,696	17 69	179,794	93,902
Delaware.....	12,471	51 96	10,191	3	2,067	577	2,540	13,914	57 98	7,472	6,442
Maryland ³	33,573	20 43	24,074	6,068	2,162	-----	14,896	33,684	20 50	23,191	10,493
Virginia.....	42,199	17 34	30,990	3,480	518	2,834	22,393	42,493	17 47	32,014	10,479
West Virginia.....	24,118	13 73	18,481	3,395	418	-----	13,316	31,623	18 01	17,907	13,716
N. Carolina.....	44,062	13 63	35,687	3,306	428	7,154	23,046	47,008	14 54	40,085	6,923
S. Carolina ³	25,089	14 39	17,876	2,834	132	1,715	12,528	38,297	21 97	17,346	20,951
Georgia ³	40,369	13 88	28,479	6,222	278	1,379	19,953	40,952	14 08	22,384	18,568
Florida.....	25,870	17 03	20,513	3,414	170	-----	16,242	25,726	16 94	19,395	6,330
E. S. Central.....	120,126	12 05	86,848	25,137	1,478	1,007	55,436	134,082	13 45	100,069	34,013
Kentucky.....	36,930	14 02	27,318	10,675	677	-----	15,426	38,087	14 45	25,270	12,817
Tennessee.....	32,752	12 38	25,687	893	771	-----	23,250	36,795	13 91	29,319	7,476
Alabama ³	31,360	11 77	20,450	7,969	-----	-----	10,992	36,520	13 70	27,683	8,837
Mississippi ³	19,084	9 43	13,493	5,000	30	1,007	6,068	22,680	11 21	17,797	4,883
W. S. Central.....	211,161	17 17	143,052	42,852	1,760	687	92,836	272,644	22 17	146,537	126,107
Arkansas.....	26,157	14 03	17,633	4,453	95	333	12,142	39,073	20 95	19,322	19,751
Louisiana ³	34,590	16 28	26,906	9,313	578	-----	17,091	83,637	39 38	29,420	54,207
Oklahoma ³	39,675	16 44	23,545	4,777	227	354	17,811	43,261	17 92	26,354	16,907
Texas ³	110,739	18 79	74,909	24,309	910	-----	45,792	106,623	18 09	71,441	35,182
Mountain.....	102,019	27 32	57,026	25,029	1,569	359	29,216	103,505	27 72	61,592	41,913
Montana.....	13,708	25 50	6,384	1,989	417	-----	3,830	14,516	27 00	7,831	6,685
Idaho ³	12,351	27 69	6,397	2,854	39	-----	3,393	12,131	27 20	6,008	6,123
Wyoming ³	10,487	46 00	4,014	1,694	66	-----	2,216	10,878	47 71	5,741	5,137
Colorado.....	21,880	20 92	14,312	4,951	777	-----	8,345	21,446	20 50	14,091	7,355
New Mexico.....	10,795	25 10	5,942	1,927	24	-----	3,357	11,704	27 22	7,279	4,425
Arizona ³	13,546	30 72	8,790	5,731	80	-----	2,920	14,442	32 75	8,066	6,386
Utah.....	14,323	27 87	9,169	4,506	166	359	4,023	13,800	26 85	10,069	3,731
Nevada ³	4,929	53 58	2,618	1,377	-----	-----	1,132	4,588	49 87	2,517	2,071
Pacific.....	188,930	22 35	141,085	17,371	11,828	-----	111,402	202,827	24 00	133,289	69,539
Washington.....	40,266	25 47	30,681	12,755	911	-----	16,947	38,975	24 65	23,463	15,512
Oregon ³	29,767	30 85	20,441	4,612	823	-----	14,621	29,580	30 65	17,301	12,279
California.....	118,897	20 13	89,963	4	10,094	-----	79,834	134,272	22 73	92,524	41,748

¹ Includes taxes not shown separately² Includes motor fuel tax.³ Data for the fiscal year 1931.

Source: Bureau of the Census, Department of Commerce.

No. 205.—REVENUES AND EXPENDITURES OF STATE GOVERNMENTS

NOTE.—Both receipts and expenditures are net figures, excluding temporary and special transactions which represent virtually duplication. Revenue receipts do not include any receipts from borrowing of money. Outlays, which enter into the total for governmental-cost payments, represent capital investments, including those made with the proceeds of borrowed money. The excess of governmental-cost payments over revenue receipts represents, approximately, increase of indebtedness.

	1930			1931			1932 ¹		
	Amount (thou- sands of dollars)	Per capita (dol- lars)	Per- cent or total	Amount (thou- sands of dollars)	Per capita (dol- lars)	Per- cent of total	Amount (thou- sands of dollars)	Per capita (dol- lars)	Per- cent of total
Revenue receipts, total.....	2,243,110	18 39	100 0	2,324,522	18 87	100 0	2,207,935	17 83	100 0
From taxes.....	1,780,339	14.59	79 4	1,778,484	14.43	76 5	1,641,850	13 26	74 4
General property.....	345,187	2.83	15 4	371,410	3 01	16 0	323,477	2 61	14 7
Special property.....	96,451	.79	4 3	112,215	.91	4 9	(?)	(?)	(?)
Inheritance.....	180,794	1.48	8 1	182,653	1 48	7 9	113,959	1 16	6 5
Income.....	76,530	.63	3 4	61,059	.41	2 2	47,852	.39	2 2
Other special taxes.....	70,093	.57	3 1	41,831	.34	1 8	141,856	1 15	6 4
Poll taxes.....	4,058	.03	2	5,450	.04	2	5,321	.04	.2
Motor fuel.....	399,523	3 27	17 8	423,397	3 44	18 2	799,385	7.91	44.4
Motor vehicle licenses.....	296,424	2 43	13 2	281,517	2 28	12 1			
All other licenses.....	311,279	2 56	13 9	308,952	2 51	13.3			
Special assessments.....	26,427	.22	1 2	24,699	.20	1 1	26,060	.21	1.2
Fines, forfeits, and escheats.....	7,918	.06	.4	7,081	.06	.3	5,833	.05	.3
Subventions, donations, and pension assessments.....	150,155	1.23	6 7	242,623	1.97	10 4	281,316	2.27	12.7
Interest, rents, and highway privileges.....	102,216	.84	4 6	95,446	.77	4 1	87,996	.71	4 0
Earnings of general depart- ments.....	157,698	1.29	7 0	158,712	1.29	6 8	154,701	1.25	7 0
Earnings of public-service enterprises.....	18,357	.15	.8	17,477	.14	.8	10,179	.08	5
Governmental-cost payments, total.....	2,290,270	18 78	100 0	2,508,744	20 36	100 0	2,505,835	20.24	100 0
Operation and maintenance.....	1,400,065	11.48	61 1	1,456,083	11 82	58 0	1,507,723	12.18	60 2
General departments.....	1,390,505	11.40	60 7	1,447,286	11.75	57 7	1,501,393	12 12	59.9
General government.....	110,300	.90	4 8	120,637	1 03	5 0	123,333	1 00	4 9
Protection to person and property.....	79,538	.65	3 5	84,117	.69	3 4	86,875	.70	3 5
Development and conservation of natural resources.....	74,356	.61	3 2	74,538	.61	3 0	72,965	.59	2 9
Health and sanitation.....	33,588	.28	1 5	38,894	.30	1 5	37,292	.30	1 5
Highways.....	251,311	2 06	11 0	239,873	1.95	9 6	235,690	1.90	9 4
Charities, hospitals, and corrections.....	223,679	1 83	9 8	230,206	1 87	9 2	274,920	2 22	11 0
Education.....	557,697	4.57	24 4	591,555	4 80	23 6	604,470	4 88	24.1
Recreation.....	5,546	.05	2	6,350	.05	3	8,054	.07	.3
Miscellaneous.....	54,220	.45	2 4	57,116	.46	2 3	57,794	.47	2 3
Public-service enter- prises.....	9,560	.08	.4	8,797	.07	.4	6,330	.05	.3
Interest.....	101,431	.83	4 4	110,821	.90	4 4	112,258	.91	4 5
Outlays.....	788,774	6 47	34 4	941,840	7 64	37 5	885,854	7 15	35.4
Highway construction.....	635,203	5 21	27 7	757,835	6 15	30 2			
All other.....	153,571	1 26	6 7	184,005	1 49	7 3			

¹ Includes 1931 figures for 18 States (see Table 204)

² "Other special taxes" includes special property

No. 206.—REVENUES AND EXPENDITURES OF STATE GOVERNMENTS

NOTE.—All figures in thousands of dollars See headnote, table 205

Year	Revenue receipts, total	Governmental-cost payments				
		Total	Operation, maintenance, and interest			Outlays for permanent improvements
			Total	Operation and maintenance	Interest	
1915.....	458,223	494,907	399,714	381,168	18,546	95,193
1919.....	675,217	640,403	569,258	545,178	24,080	71,145
1922.....	1,159,527	1,280,320	962,275	920,967	41,308	318,045
1926.....	1,655,495	1,614,538	1,126,180	1,049,310	76,870	488,358
1928.....	1,935,432	1,889,173	1,304,650	1,217,721	86,929	584,523
1929.....	2,059,327	2,061,017	1,402,011	1,307,874	94,137	659,006
1930.....	2,243,110	2,290,270	1,501,496	1,400,065	101,431	788,774
1931.....	2,324,522	2,508,744	1,566,904	1,456,083	110,821	941,840
1932 ¹	2,207,935	2,505,835	1,619,981	1,507,723	112,258	885,854

¹ Includes 1931 figures for 18 States

Source of Tables 205 and 206 Bureau of the Census, Department of Commerce.

No. 207.—STATE REVENUES AND EXPENDITURES PER CAPITA

Year	Per capita revenue receipts			Per capita governmental-cost payments for operation, maintenance, and interest		
	Total	From taxes	From all other revenue	Total	For operation and maintenance	For interest
1915.....	\$4 66	\$3. 71	\$0 94	\$4 06	\$3 87	\$0 19
1919.....	6.43	5 02	1 40	5.42	5 18	23
1922.....	10 71	7 93	2 79	8 89	8 50	.38
1926.....	14 29	10 91	3 37	9 72	9 06	.66
1928.....	16 31	12 70	3 61	10.99	10 26	.73
1929.....	17 06	13 35	3 71	11 62	10 84	.78
1930.....	18 39	14 59	3 79	12 31	11 48	.83
1931.....	18 87	14 43	4 43	12.72	11 82	.90
1932.....	17 83	13 26	4 57	13 09	12 18	.91

¹ Includes 1931 figures for 18 States (see Table 201)

No. 208.—ASSESSED VALUATION OF PROPERTY SUBJECT TO GENERAL PROPERTY TAX

NOTE.—Property belonging to railroads, telegraph companies, and a number of similar corporations is in some States distinguished as real or personal, but in a number of States it is treated as a single total. In the latter case, figures for such corporations and also other property and franchise valuations of corporations for which data were insufficient for a complete distinction of real from personal are not shown separately but are included in the totals. Figures do not show the relative wealth of the different States owing to differences in the bases of assessments and practices thereunder.

[All figures in millions of dollars]

Division and State	1922, total	1932			Division and State	1922, total	1932		
		Total ¹	Real property	Personal property			Total ¹	Real property	Personal property
Grand total.....	123,441	161,472	124,706	23,897	South Atlantic—Cont				
New England.....	10,250	13,918	11,621	2,188	Virginia.....	1,826	² 2,353	1,178	964
Maine.....	637	² 757	641	116	West Virginia....	2,093	² 1,878	1,010	296
New Hampshire...	618	² 679	556	67	West Carolina....	2,521	² 2,831	2,096	466
Vermont.....	307	441	246	142	South Carolina....	436	² 408	212	196
Massachusetts...	5,678	7,443	6,384	1,059	Georgia.....	1,192	² 1,288	753	297
Rhode Island....	1,047	² 1,447	984	463	Florida.....	421	520	405	51
Connecticut.....	1,963	3,151	2,810	341	East South Central...	5,787	6,627	4,096	1,916
Middle Atlantic.....	29,280	49,142	44,070	4,556	Kentucky.....	2,404	² 3,060	1,562	1,498
New York.....	15,391	29,560	29,182	378	Tennessee.....	1,731	1,664	1,285	114
New Jersey.....	4,102	² 6,819	5,451	832	Alabama.....	944	1,201	775	194
Pennsylvania....	9,767	12,763	9,437	3,326	Mississippi.....	708	² 692	471	110
East North Central...	30,639	39,132	28,699	8,589	West South Central...	7,209	8,216	5,571	2,237
Ohio.....	10,407	² 13,153	9,376	4,077	Arkansas.....	578	555	388	167
Indiana.....	5,226	² 5,073	3,785	1,288	Louisiana.....	1,662	² 1,666	1,098	568
Illinois.....	4,000	7,269	5,064	1,479	Oklahoma.....	1,687	1,754	1,094	252
Michigan.....	5,930	8,203	6,542	1,313	Texas.....	3,382	² 4,241	2,991	1,250
Wisconsin.....	5,106	5,074	3,932	432	Mountain.....	4,746	4,539	2,903	959
West North Central...	18,796	17,292	12,046	4,067	Montana.....	461	411	232	77
Minnesota.....	2,354	2,308	1,680	628	Idaho.....	478	² 428	288	23
Iowa.....	1,766	1,464	1,763	615	Wyoming.....	366	² 419	224	78
Missouri.....	4,633	4,789	3,519	791	Colorado.....	1,551	1,447	917	530
North Dakota....	1,308	880	613	267	New Mexico.....	330	334	146	45
South Dakota....	1,977	1,591	1,136	373	Arizona.....	734	675	585	90
Nebraska.....	3,203	2,676	1,975	701	Utah.....	630	618	332	85
Kansas.....	3,555	3,666	2,360	692	Nevada.....	196	² 207	176	31
South Atlantic.....	10,401	12,312	7,899	3,079	Pacific.....	6,323	10,294	7,801	2,306
Delaware.....	227	292	292	(³)	Washington.....	1,112	1,250	1,021	229
Maryland.....	1,685	2,762	1,953	809	Oregon.....	1,010	1,093	802	104
					California.....	4,201	² 7,951	5,978	1,973

¹ See headnote

² Data for 1931

³ Valuation of personal property included with that of real property

Source of Tables 207 and 208 Bureau of the Census, Department of Commerce.

No. 209.—TAXES: TOTAL LEVIES OF AD VALOREM GENERAL PROPERTY TAXES OF STATES, COUNTIES, AND MINOR CIVIL DIVISIONS

NOTE.—The data represent the total levies of general property taxes of States, counties, cities, villages, towns, boroughs, townships, school districts, etc., and for all purposes. They do not cover "special assessments" on property benefited by specific improvements nor special property taxes applying only to limited classes, nor taxes based on other standards than property, such as income, volume of business, inheritance, etc., which have been steadily growing in relative importance. The change in buying power of money affects materially the comparability of the figures. For data for 1860, 1870, and 1890, by States, see Table 437, Statistical Abstract of 1922

Division and State	Levies of general property taxes (thousands of dollars)					Amount per capita (dollars)				
	1880	1902	1912	1922	1932	1880	1902	1912	1922	1932
Grand total.....	313, 921	724, 737	1,349,841	3, 503, 725	5, 026, 763	6 26	9 22	13 91	32 23	40 37
New England.....	42, 492	76, 308	127, 232	270, 516	399, 504	10 60	13.29	18 53	35 59	48 46
Maine.....	5, 182	6, 856	8, 987	22, 295	31, 308	7 99	9 78	11 86	28 83	39. 13
New Hampshire.....	3, 179	4, 166	6, 978	15, 020	20, 320	9 16	9 95	15 98	33 71	43 '2
Vermont.....	1, 745	1, 911	4, 020	9, 188	12, 101	5 25	5 52	11 17	26 07	33 61
Massachusetts.....	24, 327	49, 219	82, 566	156, 235	231, 212	13 64	17 06	23 27	39 33	53 90
Rhode Island.....	2, 693	6, 133	8, 192	19, 925	28, 953	9 74	13 65	14 13	32 12	41 60
Connecticut.....	5, 366	8, 021	16, 489	47, 794	75, 610	8 62	8.53	13 95	33 30	46 39
Middle Atlantic.....	94, 130	211, 938	364, 266	840, 028	1, 464, 289	8 97	13.17	17 71	36 66	54 91
New York.....	56, 893	132, 711	221, 467	454, 878	824, 022	11 09	17.49	22.80	42 72	64 32
New Jersey.....	8, 958	20, 956	49, 424	145, 355	269, 595	7 92	10 54	17 08	44 27	65 25
Pennsylvania.....	28, 779	58, 269	93, 375	239, 795	370, 672	6 72	8 95	11 52	26 70	38 12
East North Central.....	78, 502	172, 421	292, 021	869, 682	1, 820, 670	7 00	10 47	15 38	39 27	47 52
Ohio.....	25, 757	47, 460	76, 697	224, 423	302, 861	8 05	11 15	15 45	37 63	45 42
Indiana.....	11, 943	27, 968	45, 644	117, 138	138, 341	6 04	10 84	16 53	39 26	42 31
Illinois.....	24, 586	53, 013	84, 834	250, 380	391, 159	7 99	10 56	14 37	37 60	50 49
Michigan.....	8, 628	23, 477	47, 998	168, 797	266, 718	5 27	9 48	16.34	43 90	53 75
Wisconsin.....	7, 588	20, 503	36, 848	108, 944	121, 691	5 77	9 61	15 23	40 45	49 94
West North Central.....	35, 490	95, 010	180, 440	490, 829	511, 568	5 76	9 00	15 08	38 52	38 25
Minnesota.....	4, 346	17, 761	38, 108	107, 325	120, 345	5 57	9 65	17 47	43 78	46 61
Iowa.....	11, 062	22, 603	36, 570	105, 842	101, 197	6 81	10 17	16 45	43 36	40 84
Missouri.....	11, 832	21, 785	35, 491	91, 445	103, 234	5 46	6 82	10 58	26 64	28 27
North Dakota.....	1 478	4, 186	11, 875	31, 167	27, 931	13.54	11.44	17 97	47 13	40 84
South Dakota.....	4, 329	10, 720	32, 483	29, 975	29, 975	10.69	16 67	50 18	42 88	
Nebraska.....	2, 792	9, 499	19, 781	53, 236	48, 622	6 17	8 89	16 04	40 26	35 01
Kansas.....	4, 980	14, 847	27, 895	69, 331	80, 362	5 00	10.14	16 55	38 83	42 47
South Atlantic.....	21, 553	46, 365	91, 136	255, 316	359, 097	2 84	4 31	7 15	17 73	22 48
Delaware.....	604	1, 317	1, 791	4, 841	5, 915	4 12	7.00	8 61	21 20	24 65
Maryland.....	5, 437	10, 098	16, 380	40, 026	55, 158	5 82	8 79	12 30	26 95	33 43
Dist. of Col.....	1, 469	3, 351	5, 399	12, 366	25, 254	8 27	11 62	15 51	28 26	51 33
Virginia.....	4, 694	6, 896	13, 822	33, 873	43, 886	3 10	3.64	6 49	14 32	17 83
West Virginia.....	1, 994	5, 507	10, 026	38, 435	50, 657	3 22	5 52	7 67	25 39	28 85
North Carolina.....	1, 916	3, 975	9, 989	37, 017	47, 711	1 37	2.04	4 33	13 98	14 76
South Carolina.....	1, 840	3, 736	6, 399	20, 880	27, 379	1 85	2 73	4 39	12 09	15 70
Georgia.....	3, 014	8, 204	18, 414	55, 673	45, 640	1 95	3.58	6 73	12 01	15 65
Florida.....	585	2, 681	8, 436	32, 194	53, 097	2 17	4 79	10 22	31 44	38 25
East South Central.....	11, 996	27, 167	51, 663	125, 781	180, 478	2 15	3 50	5 95	13 98	16 07
Kentucky.....	5, 201	10, 462	17, 669	37, 322	51, 063	3 15	4 74	7.56	15 28	19 38
Tennessee.....	2, 516	7, 626	14, 112	35, 127	43, 989	1 63	3 68	6 31	14 83	16 63
Alabama.....	2, 062	4, 899	9, 971	22, 684	32, 790	1 63	2 59	4 45	9 46	12 25
Mississippi.....	2, 217	4, 180	9, 911	30, 648	32, 636	1 96	2 61	5 28	17 12	16 06
West South Central.....	10, 794	29, 985	77, 723	222, 351	320, 023	2 84	4 35	8 17	21 05	25 87
Arkansas.....	1, 839	4, 446	10, 621	17, 476	20, 382	2 29	3.30	6 40	9 77	10 93
Louisiana.....	4, 386	8, 478	14, 432	41, 562	55, 053	4 67	5 91	8 27	22 65	25 82
Oklahoma.....	3, 377	19, 705	54, 079	68, 944	68, 944	2 77	10 16	25 69	28 34	
Texas.....	4, 569	13, 684	32, 965	109, 234	175, 460	2 87	4 26	7 90	22 60	29 56
Mountain.....	4, 717	24, 312	54, 327	144, 466	180, 820	7 22	13 76	18 45	41 23	42 99
Montana.....	384	4, 092	11, 245	26, 008	26, 317	9 80	15 53	26 83	43 94	48 95
Idaho.....	187	1, 895	6, 952	18, 569	19, 109	5 73	11 11	18 35	40 68	42 85
Wyoming.....	230	1, 074	2, 610	8, 365	10, 938	11 07	11 16	15 98	40 68	47 76
Colorado.....	2, 152	10, 741	16, 931	44, 588	44, 887	11 07	19 34	19 17	45 75	42 91
New Mexico.....	164	1, 410	3, 426	8, 805	11, 908	1 37	7 15	9 26	23 29	27 69
Arizona.....	293	1, 635	4, 358	15, 352	21, 807	7 25	12 59	18 88	42 54	48 90
Utah.....	435	2, 848	6, 529	17, 711	19, 676	3 02	9.81	16 13	37 82	38 28
Nevada.....	872	617	2, 276	5, 068	6, 178	14 00	14.57	24 02	65 47	67 15
Pacific.....	14, 247	41, 235	111, 033	284, 756	430, 311	12 78	16 42	23 28	48 61	50 88
Washington.....	505	9, 003	31, 205	66, 283	73, 131	6 73	16 43	23 21	47 13	46 17
Oregon.....	1, 114	4, 920	17, 139	40, 090	41, 488	6 37	11.43	22 64	49 55	42 73
California.....	12, 628	27, 312	62, 689	178, 383	315, 692	14 60	17.81	23 50	48 97	53 45

¹ Dakota Territory

² Oklahoma and Indian Territory combined.

Source: Bureau of the Census, Department of Commerce

No. 210.—GROSS DEBT OF STATE AND LOCAL GOVERNMENTS: By Classes, 1932

NOTE.—For gross debt less sinking fund assets (total and per capita) of State and local governments see Tables 211 to 213

[All figures in thousands of dollars]

Division and State	States				Local governments			
	Total	Funded or fixed	Special assessment	All other	Total	Funded or fixed	Special assessment	All other
Grand total.....	2,895,845	2,499,416	94,250	302,179	16,680,567	13,806,373	1,511,079	1,363,115
New England.....	200,588	107,304	91,265	2,019	791,871	686,185	400	105,286
Maine.....	27,462	27,251	-----	211	39,478	35,272	-----	4,206
New Hampshire ²	7,016	6,516	-----	500	25,633	21,179	-----	4,454
Vermont.....	9,545	8,630	-----	915	18,384	12,055	-----	6,329
Massachusetts ²	121,067	29,626	91,265	176	422,277	374,575	-----	47,702
Rhode Island.....	21,930	21,930	-----	-----	114,257	97,428	-----	16,829
Connecticut.....	13,568	13,351	-----	217	171,842	145,676	400	25,766
Middle Atlantic.....	809,400	873,948	-----	135,452	5,979,961	5,174,701	265,328	539,932
New York.....	579,864	444,846	-----	135,018	3,474,156	3,035,054	150,571	288,531
New Jersey.....	141,230	141,216	-----	14	1,174,932	904,242	94,006	176,684
Pennsylvania.....	88,306	87,886	-----	420	1,330,873	1,235,405	20,751	74,717
East North Central.....	332,401	293,414	-----	38,987	3,247,290	2,380,859	510,380	376,051
Ohio ²	9,534	8,046	-----	1,488	981,851	784,220	191,269	6,362
Indiana ²	4,906	3,277	-----	1,629	196,304	187,748	3,558	4,998
Illinois.....	222,737	190,961	-----	31,776	1,079,281	598,872	203,437	282,072
Michigan.....	94,040	89,946	-----	4,094	781,691	602,432	108,130	71,129
Wisconsin.....	1,184	1,184	-----	-----	208,163	192,587	4,086	11,490
West North Central.....	342,080	332,999	-----	9,151	1,101,422	901,429	158,072	41,921
Minnesota.....	98,162	94,951	-----	3,211	275,267	212,203	50,543	12,521
Iowa.....	17,536	15,761	-----	1,775	231,776	216,475	10,611	4,690
Missouri ²	105,162	104,865	-----	297	255,607	218,332	28,618	8,657
North Dakota.....	45,449	44,192	-----	1,257	37,637	22,715	10,901	4,021
South Dakota.....	15,432	50,422	-----	1,010	41,088	28,982	6,536	5,570
Nebraska.....	929	238	-----	691	118,190	86,648	27,986	3,556
Kansas.....	23,410	22,500	-----	910	141,857	116,074	22,877	2,906
South Atlantic.....	433,361	403,199	-----	30,232	1,684,216	1,409,410	168,308	106,498
Delaware.....	3,218	3,216	-----	-----	27,608	-----	296	80
Maryland.....	32,096	32,096	-----	-----	262,814	242,925	16,634	3,255
Dist. of Columbia.....	-----	-----	-----	-----	103	103	-----	-----
Virginia.....	28,302	26,343	-----	1,959	188,452	172,824	427	15,401
West Virginia.....	89,620	86,070	-----	3,550	73,923	72,008	119	1,796
North Carolina.....	188,618	175,879	-----	12,737	386,580	303,796	41,005	41,779
South Carolina ²	78,528	69,974	-----	8,554	110,494	90,740	5,716	14,038
Georgia ²	12,592	9,551	-----	3,041	101,567	82,439	3,155	15,973
Florida.....	391	-----	-----	391	532,099	416,967	100,956	14,176
East South Central.....	230,055	194,254	-----	35,801	628,265	526,834	65,647	35,784
Kentucky.....	16,607	2,674	-----	13,933	108,387	94,581	4,780	9,026
Tennessee.....	94,601	92,139	-----	2,462	240,956	215,778	13,867	11,311
Alabama ²	82,343	66,535	-----	15,808	133,222	94,674	25,312	13,236
Mississippi ²	36,504	32,906	-----	3,598	145,700	121,801	21,688	2,211
West South Central.....	270,383	240,082	-----	30,306	1,398,023	1,240,417	89,249	88,357
Arkansas.....	164,626	160,480	-----	4,146	592,611	35,130	52,836	4,545
Louisiana ²	83,884	73,455	-----	10,429	281,464	245,994	16,413	19,057
Oklahoma ²	11,532	1,672	-----	9,860	236,785	203,453	-----	33,332
Texas ²	10,346	4,475	-----	5,871	787,263	755,840	-----	31,423
Mountain.....	61,137	44,366	2,444	14,327	461,549	271,359	168,477	21,713
Montana.....	10,834	5,833	-----	5,001	68,061	36,001	29,334	2,726
Idaho ²	7,525	4,334	-----	3,191	74,317	33,853	36,211	4,253
Wyoming ²	5,597	4,245	-----	1,352	38,924	18,921	19,276	727
Colorado.....	8,162	7,355	-----	807	127,239	76,571	44,988	5,680
New Mexico.....	12,232	10,752	1,157	323	26,728	17,889	7,656	1,183
Arizona ²	3,708	301	1,287	2,120	74,768	51,123	22,251	1,394
Utah.....	11,445	10,525	-----	920	42,278	30,166	8,546	3,566
Nevada ²	1,634	1,021	-----	613	9,234	6,835	215	2,184
Pacific.....	216,435	209,990	541	5,904	1,387,970	1,235,179	105,218	47,573
Washington.....	8,257	7,350	-----	907	216,512	173,197	22,433	20,882
Oregon ²	60,999	58,749	-----	2,250	180,106	124,515	45,721	9,870
California.....	147,179	143,891	541	2,747	991,352	937,467	37,064	16,821

¹ Includes debt to public trust funds and other debt classified as "floating" in figures for State debts from the annual surveys shown in Table 215

² Data for the fiscal year 1931

Source: Bureau of the Census, Department of Commerce.

No. 211.—DEBTS OF STATE AND LOCAL GOVERNMENTS: GROSS DEBT LESS SINKING FUND ASSETS OF STATES, COUNTIES, CITIES, TOWNS, VILLAGES, BOROUGHES, TOWNSHIPS, SCHOOL DISTRICTS, AND ALL OTHER CIVIL DIVISIONS COMBINED

Division and State	Amount (thousands of dollars)					Per capita (dollars)				
	1890	1902	1912	1922	1932	1890	1902	1912	1922	1932
Grand total	1, 137, 200	1, 865, 035	3, 821, 897	8, 689, 740	17, 589, 515	18. 16	23. 73	39. 37	79. 92	141. 27
New England	148, 524	301, 478	390, 960	550, 709	831, 097	31. 60	52. 52	56. 95	72. 46	100. 81
Maine.....	15, 772	15, 047	22, 798	42, 457	64, 529	23. 86	21. 46	30. 08	54. 90	80. 66
New Hampshire.....	8, 148	11, 413	11, 300	16, 123	31, 735	21. 64	27. 27	25. 87	36. 16	67. 81
Vermont.....	3, 785	5, 217	6, 981	11, 994	27, 180	11. 39	15. 08	19. 39	34. 03	75. 50
Massachusetts.....	84, 095	209, 763	267, 129	329, 942	436, 600	37. 56	72. 72	75. 28	83. 04	101. 77
Rhode Island.....	12, 999	28, 150	30, 716	49, 239	110, 353	37. 62	62. 67	52. 99	79. 38	163. 55
Connecticut.....	23, 725	31, 888	52, 036	100, 954	160, 730	31. 79	33. 89	44. 03	70. 33	98. 59
Middle Atlantic	321, 693	645, 887	1, 548, 580	2, 616, 431	5, 842, 169	25. 33	40. 15	75. 28	114. 19	219. 07
New York.....	201, 256	437, 372	1, 132, 432	1, 683, 820	3, 477, 233	33. 55	57. 64	116. 59	158. 15	271. 40
New Jersey.....	49, 258	181, 204	170, 169	382, 172	1, 151, 231	34. 09	40. 85	61. 89	116. 40	278. 61
Pennsylvania.....	71, 180	127, 311	245, 979	550, 439	1, 213, 705	13. 54	19. 55	30. 34	61. 28	124. 82
East North Central	165, 229	289, 980	546, 615	1, 652, 555	3, 352, 156	12. 26	17. 61	28. 79	74. 62	180. 51
Ohio.....	70, 927	117, 230	239, 667	669, 443	875, 037	19. 32	27. 55	48. 27	112. 25	129. 89
Indiana.....	24, 472	34, 828	67, 404	152, 792	199, 034	11. 16	13. 49	24. 41	51. 21	60. 87
Illinois.....	42, 468	80, 715	139, 480	364, 019	1, 290, 544	11. 10	16. 08	23. 62	54. 66	166. 59
Michigan.....	16, 942	34, 839	59, 997	361, 778	732, 306	8. 09	14. 07	20. 43	94. 09	157. 66
Wisconsin.....	10, 421	22, 348	40, 067	104, 523	205, 235	6. 18	10. 48	16. 56	38. 81	69. 10
West North Central	155, 700	178, 902	282, 971	851, 543	1, 215, 278	17. 52	16. 81	23. 62	66. 83	90. 88
Minnesota.....	26, 238	40, 684	70, 364	269, 608	285, 112	20. 15	22. 07	32. 26	109. 99	110. 42
Iowa.....	11, 271	17, 440	35, 426	151, 614	241, 991	5. 90	7. 84	15. 94	42. 11	97. 66
Missouri.....	51, 558	50, 397	61, 622	118, 276	334, 265	19. 24	15. 79	18. 37	34. 61	91. 53
North Dakota.....	3, 855	5, 608	13, 261	40, 266	36, 211	21. 10	15. 81	20. 07	60. 89	52. 94
South Dakota.....	6, 614	6, 584	12, 685	50, 554	51, 087	20. 11	15. 56	19. 72	78. 09	73. 09
Nebraska.....	15, 537	22, 415	36, 745	97, 755	110, 506	14. 67	21. 01	29. 80	73. 93	79. 73
Kansas.....	40, 629	35, 774	52, 868	123, 470	156, 104	28. 47	24. 42	31. 36	69. 12	82. 51
South Atlantic	165, 454	159, 209	255, 195	743, 216	1, 960, 221	18. 68	14. 79	20. 02	51. 61	122. 70
Delaware.....	2, 919	4, 145	6, 860	22, 451	20, 088	17. 32	22. 04	32. 98	98. 32	121. 20
Maryland.....	41, 292	30, 643	59, 546	120, 954	261, 168	39. 61	25. 18	44. 76	81. 43	158. 28
District of Columbia.....	19, 781	14, 540	9, 061	156	-----	85. 86	50. 42	26. 03	36	-----
Virginia.....	51, 597	47, 481	61, 930	119, 115	181, 242	31. 16	25. 07	29. 09	50. 33	74. 49
West Virginia.....	2, 532	4, 768	11, 195	70, 512	151, 594	3. 32	4. 78	8. 57	46. 58	86. 33
North Carolina.....	11, 124	15, 348	34, 344	182, 711	545, 423	6. 87	7. 88	14. 88	69. 03	168. 76
South Carolina.....	13, 660	15, 781	21, 287	65, 010	117, 699	11. 87	11. 43	13. 64	37. 64	95. 45
Georgia.....	20, 272	21, 286	32, 548	64, 038	106, 985	11. 03	9. 29	11. 89	21. 56	36. 76
Florida.....	2, 277	5, 247	18, 424	98, 269	513, 022	5. 81	9. 36	22. 72	95. 96	337. 74
East South Central	74, 126	91, 055	160, 820	370, 553	827, 098	11. 53	11. 54	18. 51	41. 17	82. 80
Kentucky.....	19, 433	22, 842	30, 031	50, 519	113, 418	10. 46	10. 36	12. 85	20. 68	43. 04
Tennessee.....	29, 544	32, 717	59, 098	133, 337	323, 496	16. 71	15. 79	26. 41	56. 27	122. 30
Alabama.....	18, 956	27, 092	43, 063	75, 198	210, 822	12. 53	14. 32	19. 24	31. 37	78. 75
Mississippi.....	6, 193	8, 404	28, 628	111, 499	179, 362	4. 81	5. 24	15. 25	62. 27	88. 27
West South Central	61, 028	83, 002	237, 435	704, 546	1, 558, 755	13. 43	12. 05	24. 85	86. 70	125. 98
Arkansas.....	7, 600	4, 226	13, 813	91, 280	255, 869	6. 73	3. 13	8. 32	51. 03	137. 20
Louisiana.....	33, 335	37, 777	75, 007	126, 946	360, 411	29. 80	26. 34	42. 97	69. 18	169. 05
Oklahoma.....	-----	4, 549	60, 721	129, 977	194, 084	-----	5. 07	31. 32	81. 78	79. 77
Texas.....	20, 093	30, 450	87, 894	356, 343	748, 391	8. 99	11. 35	21. 07	73. 71	125. 93
Mountain	23, 978	56, 786	112, 770	372, 776	487, 047	20. 74	32. 16	38. 99	106. 39	130. 21
Montana.....	2, 926	8, 921	18, 146	65, 229	113, 269	22. 15	33. 87	43. 29	110. 20	132. 57
Idaho.....	1, 594	3, 884	14, 181	62, 193	78, 450	18. 89	22. 02	37. 30	136. 24	175. 90
Wyoming.....	1, 647	2, 566	4, 324	19, 128	43, 009	27. 14	26. 66	26. 48	93. 02	187. 81
Colorado.....	9, 458	22, 067	39, 647	99, 198	129, 505	22. 95	39. 06	44. 89	101. 78	123. 81
New Mexico.....	2, 832	4, 580	7, 662	25, 010	36, 943	18. 44	22. 64	20. 70	67. 86	85. 91
Arizona.....	2, 938	6, 592	10, 389	44, 973	71, 777	49. 28	50. 75	45. 01	124. 61	160. 93
Utah.....	1, 218	6, 613	15, 288	50, 041	46, 149	5. 85	22. 81	37. 77	106. 85	89. 78
Nevada.....	1, 365	1, 564	3, 183	7, 004	9, 945	29. 83	27. 97	33. 60	90. 40	108. 10
Pacific	21, 468	58, 757	298, 551	827, 411	1, 515, 696	11. 48	23. 30	60. 08	141. 23	179. 14
Washington.....	3, 419	29, 557	95, 971	169, 063	217, 431	9. 78	53. 71	71. 37	120. 21	137. 27
Oregon.....	2, 480	11, 302	43, 828	138, 094	198, 849	7. 90	26. 11	57. 90	170. 69	204. 79
California.....	15, 569	17, 898	146, 752	520, 254	1, 099, 416	12. 89	11. 60	55. 01	142. 81	186. 15

¹ Indebtedness of local governments. Sinking fund assets of State governments exceeded the gross debt.

² No State indebtedness reported, the Virginia-West Virginia debt settlement was not made until 1919.

³ Includes \$853,000 indebtedness of local governments in Indian Territory reported separately in 1902.

Source: Bureau of the Census, Department of Commerce.

No. 212.—DEBT OF STATE GOVERNMENTS: GROSS DEBT LESS SINKING FUND ASSETS

Division and State	Total (thousands of dollars)					Per capita (dollars)				
	1902	1912	1922	1931	1932	1902	1912	1922	1931	1932
Grand total	234,965	345,942	935,544	2,169,784	2,373,634	2.99	3.57	8.64	17.61	19.17
New England	74,961	95,570	110,458	120,955	123,040	13.06	13.92	14.53	14.73	14.95
Maine.....	2,785	1,255	12,906	24,176	27,219	3.97	1.67	16.69	30.26	34.02
New Hampshire.....	1,551	1,956	3,018	6,505	2,505	3.71	4.50	6.77	13.96	213.96
Vermont.....	363	570	2,112	9,982	9,545	1.05	1.58	5.99	27.73	26.51
Massachusetts.....	65,964	79,551	76,996	62,856	62,856	22.87	22.78	19.38	14.69	214.69
Rhode Island.....	2,620	5,127	9,338	16,722	16,807	5.83	9.02	15.05	24.16	24.15
Connecticut.....	1,678	7,111	6,088	714	108	1.78	6.12	4.24	.44	.07
Middle Atlantic	8,576	86,847	282,865	443,441	601,124	.53	4.22	11.04	16.76	22.55
New York.....	8,187	86,205	186,542	307,302	463,068	1.08	9.05	17.52	24.20	36.14
New Jersey.....	(3)	642	16,355	56,904	62,198		.24	4.98	13.93	15.05
Pennsylvania.....	389	(3)	49,968	79,235	75,858	.06		5.56	8.19	7.81
East North Central	18,598	18,105	99,448	279,058	295,598	1.13	.95	4.49	10.94	11.52
Ohio.....	4,685	5,142	30,143	7,696	7,696	1.10	1.05	5.05	1.15	1.15
Indiana.....	2,914	1,350	2,325	4,730	2,730	1.13	.49	.78	1.45	1.45
Illinois.....	2,155	2,273	13,880	198,321	221,404	1.43	.39	2.08	25.80	28.58
Michigan.....	6,566	7,059	50,934	67,047	60,882	2.65	2.41	13.25	13.68	12.21
Wisconsin.....	2,278	2,261	2,164	1,264	1,181	1.07	.93	.80	.43	.40
West North Central	10,233	8,180	74,681	179,008	203,208	.97	.68	5.86	13.42	15.20
Minnesota.....	1,755	1,345	20,308	15,823	40,156	.95	.63	8.28	6.15	15.55
Iowa.....	50	357	1,457	16,760	16,495	.02	.16	.60	6.77	6.66
Missouri.....	4,366	4,671	30,456	103,302	103,302	1.37	1.40	8.87	28.33	28.33
North Dakota.....	968	820	5,913	4,137	5,005	2.64	1.29	8.94	6.06	7.32
South Dakota.....	457	370	15,431	14,805	15,510	1.08	.58	23.84	21.27	22.19
Nebraska.....	2,005	374	1,038	1,447	929	1.88	.31	.78	1.05	.67
Kansas.....	632	243	78	22,734	21,810	.43	.14	.04	12.05	11.53
South Atlantic	51,645	51,942	123,630	426,632	413,720	4.86	4.07	8.85	27.71	26.73
Delaware.....	762	763	5,834	3,241	2,072	4.05	3.70	25.55	13.56	8.63
Maryland.....	4,943	7,334	22,129	31,198	31,198	4.06	5.56	14.90	18.99	218.99
Virginia.....	23,546	22,043	21,766	27,077	25,983	12.76	10.46	9.19	11.16	10.68
West Virginia.....			24,181	85,353	85,394			15.97	49.00	49.20
North Carolina.....	6,755	8,059	34,713	176,273	177,210	3.47	3.54	13.11	55.07	54.83
South Carolina.....	6,730	6,190	8,729	77,984	77,984	4.88	3.98	5.05	44.74	44.74
Georgia.....	7,876	6,934	5,419	12,488	12,488	3.44	2.57	1.82	4.29	24.29
Florida.....	1,033	619	869	13,017	391	1.84	.77	8.85	8.72	.26
East South Central	35,880	33,846	56,884	220,127	228,918	4.82	3.89	6.33	22.14	22.96
Kentucky.....	2,291	4,441	7,745	13,712	16,224	1.04	1.90	3.17	5.23	6.16
Tennessee.....	17,985	11,812	19,142	87,754	94,032	8.68	5.32	8.08	33.37	35.55
Alabama.....	12,727	13,132	15,233	82,342	82,342	6.73	5.95	6.36	30.90	230.90
Mississippi.....	2,877	4,461	14,864	36,319	36,319	1.79	2.41	8.30	17.94	217.94
West South Central	19,287	26,369	28,493	265,588	269,921	2.80	2.77	2.70	21.61	21.95
Arkansas.....	1,191	1,236	2,722	160,087	164,423	.88	.76	1.52	86.07	88.16
Louisiana.....	13,593	13,546	14,820	83,743	83,743	9.48	7.89	8.08	39.41	39.41
Oklahoma.....	510	6,931	4,797	11,438	21,438	1.10	3.74	2.28	4.74	4.74
Texas.....	3,993	4,666	6,145	10,317	10,317	1.24	1.14	1.27	1.75	1.75
Mountain	11,322	13,273	50,546	51,037	50,739	6.41	4.51	14.43	13.71	13.59
Montana.....	1,204	1,513	7,579	8,865	9,316	4.67	3.73	12.80	16.49	17.33
Idaho.....	324	2,143	7,673	6,961	6,961	1.84	5.92	16.81	15.61	15.61
Wyoming.....	301	122	4,011	5,568	5,568	3.12	.77	19.50	24.42	24.42
Colorado.....	3,797	3,174	12,019	7,804	6,747	6.72	3.70	12.33	7.50	6.45
New Mexico.....	999	1,218	4,964	11,110	11,407	4.94	3.41	13.44	26.08	26.53
Arizona.....	3,099	3,065	2,740	3,677	3,677	23.86	13.28	7.59	8.34	8.34
Utah.....	974	1,430	9,819	5,682	5,694	3.36	3.62	20.97	11.12	11.08
Nevada.....	624	608	1,751	1,370	1,370	14.70	6.70	22.62	14.89	14.89
Pacific	4,463	11,910	138,441	188,940	187,968	1.77	2.48	23.63	22.09	22.17
Washington.....	1,272	1,556	13,181	13,218	8,257	2.31	1.21	9.38	8.41	5.22
Oregon.....	236	81	39,983	33,388	23,388	.54	.04	49.42	34.60	234.60
California.....	2,955	10,223	85,267	137,334	145,723	1.92	3.83	23.41	23.72	24.67

¹ Revised figure \$239,369,000, not distributed by States

² Data for the fiscal year 1931.

³ Sinking fund assets exceed total debt.

⁴ Virginia-West Virginia debt settlement not made until 1919.

Source: Bureau of the Census, Department of Commerce.

**No. 213.—DEBTS OF LOCAL GOVERNMENTS: COMBINED GROSS DEBT LESS
SINKING FUND ASSETS OF ALL CIVIL DIVISIONS**

NOTE—Debts of State governments are not included in this table but are included in Table 211

Division and State	Amount (thousands of dollars)					Per capita (dollars)				
	1890	1902	1912	1922	1932	1890	1902	1912	1922	1932
Grand total	925,990	1,630,070	3,475,954	7,754,196	15,215,881	14.79	20.74	35.81	71.61	122.29
New England	128,089	226,516	295,391	440,251	708,057	27.25	39.46	43.03	57.92	85.89
Maine.....	12,130	12,261	21,543	29,551	37,310	18.35	17.49	28.42	38.21	46.64
New Hampshire.....	5,457	9,862	9,345	13,105	25,230	14.49	23.56	21.40	30.47	53.91
Vermont.....	3,637	4,854	6,411	9,882	17,635	10.94	14.03	17.81	28.04	48.99
Massachusetts.....	74,283	143,799	187,578	252,946	373,744	33.18	49.85	52.86	63.66	87.12
Rhode Island.....	12,619	25,530	25,589	39,901	93,546	36.52	55.84	44.15	64.32	134.41
Connecticut.....	19,963	30,210	44,925	94,866	160,592	26.75	32.11	38.01	66.09	98.52
Middle Atlantic	314,739	637,311	1,461,793	2,363,566	5,241,045	24.78	39.62	71.06	103.15	196.53
New York.....	199,455	429,185	1,046,227	1,497,278	3,014,163	33.25	56.50	107.71	140.63	285.26
New Jersey.....	48,311	81,204	169,527	365,817	1,089,033	33.43	40.85	61.66	111.42	263.56
Pennsylvania.....	66,973	126,922	245,979	500,471	1,137,847	12.74	19.49	30.34	55.72	117.01
East North Central	140,270	271,381	528,510	1,553,109	3,056,560	10.41	16.48	27.84	70.13	119.00
Ohio.....	63,930	112,545	234,525	639,300	867,341	17.41	26.45	47.23	107.20	128.74
Indiana.....	15,904	31,914	66,053	150,467	194,304	7.25	12.36	23.93	50.43	59.42
Illinois.....	40,657	78,560	137,208	350,139	1,069,140	10.63	15.65	23.24	52.58	138.01
Michigan.....	11,634	28,272	52,908	310,844	721,724	5.56	11.42	18.02	80.84	145.45
Wisconsin.....	8,145	20,070	37,816	102,359	204,051	4.83	9.41	15.63	38.00	68.70
West North Central	138,308	168,670	274,790	776,862	1,012,068	15.56	15.94	22.94	60.97	75.68
Minnesota.....	23,812	38,929	69,018	249,300	244,956	18.29	21.12	31.64	101.70	94.87
Iowa.....	11,025	17,890	35,069	150,157	225,406	5.77	7.32	15.78	61.62	81.00
Missouri.....	39,798	40,031	56,951	87,820	230,962	14.85	14.42	16.98	25.58	63.24
North Dakota.....	3,134	4,640	12,441	34,353	31,206	17.18	12.07	18.83	51.95	45.62
South Dakota.....	5,742	6,127	12,315	35,123	35,577	17.46	14.48	19.15	54.28	60.90
Nebraska.....	15,283	20,410	36,371	96,717	109,577	14.43	19.13	29.50	73.14	79.06
Kansas.....	39,509	35,143	52,625	123,392	134,294	27.60	23.09	31.22	69.11	70.98
South Atlantic	95,235	107,584	208,253	619,586	1,546,501	10.75	9.99	15.94	44.38	96.80
Delaware.....	2,011	3,383	6,097	16,617	27,016	12.06	17.99	29.31	72.42	112.57
Maryland.....	33,741	25,701	52,212	98,825	229,970	32.37	21.12	39.25	66.53	139.38
District of Columbia.....	19,781	14,540	9,061	156	156	85.86	50.42	26.03	—	—
Virginia.....	16,610	23,934	39,887	97,359	155,259	10.03	12.64	18.73	41.14	63.81
West Virginia.....	2,348	4,768	11,195	46,331	65,200	3.08	4.78	8.57	30.26	37.13
North Carolina.....	3,414	8,593	20,285	147,998	368,213	2.11	4.41	11.39	55.91	113.93
South Carolina.....	6,342	9,021	15,097	56,281	93,715	5.51	6.55	9.60	32.59	53.74
Georgia.....	9,823	13,410	25,614	58,619	94,497	5.35	5.85	9.36	19.74	32.47
Florida.....	1,145	4,214	17,805	97,400	512,631	2.92	7.52	21.96	95.11	337.48
East South Central	36,638	55,176	126,973	313,569	598,180	5.70	7.10	14.61	34.84	59.88
Kentucky.....	17,762	20,550	25,588	42,774	97,194	9.56	9.32	10.95	17.51	36.89
Tennessee.....	9,848	14,733	47,287	114,195	229,464	5.57	7.11	21.13	48.20	86.75
Alabama.....	6,518	14,366	29,930	59,965	128,480	4.41	7.59	13.37	27.83	47.99
Mississippi.....	2,508	5,527	24,168	96,635	143,042	1.95	3.45	12.88	53.97	70.39
West South Central	35,339	63,715	211,066	676,053	1,288,834	7.78	9.25	22.18	64.00	104.17
Arkansas.....	2,157	3,034	12,577	88,558	91,446	1.91	2.25	7.58	49.51	49.03
Louisiana.....	17,327	24,184	61,461	112,117	276,668	15.49	16.86	35.21	61.10	129.77
Oklahoma.....	—	14,040	53,790	125,180	182,646	—	4.50	27.74	59.48	75.07
Texas.....	15,855	32,457	83,236	350,198	738,074	7.09	10.11	19.95	72.44	124.19
Mountain	19,003	45,463	99,497	322,230	436,308	16.43	25.75	38.78	91.96	116.64
Montana.....	2,751	7,717	16,693	57,630	61,953	20.82	29.30	39.68	97.40	115.24
Idaho.....	1,976	3,509	11,987	54,590	71,480	16.30	20.18	31.04	119.43	160.29
Wyoming.....	1,327	2,266	4,202	15,117	37,441	21.87	23.54	25.73	73.52	163.50
Colorado.....	7,811	18,269	36,473	87,179	122,758	18.95	32.34	41.29	89.91	117.36
New Mexico.....	1,962	3,581	6,444	20,056	25,536	12.77	17.70	17.41	54.42	59.39
Arizona.....	2,181	3,492	7,324	42,233	68,101	36.58	26.89	31.73	117.02	152.69
Utah.....	767	5,638	13,859	40,222	40,455	3.69	19.45	34.24	85.89	78.71
Nevada.....	828	940	2,575	5,253	8,575	18.09	22.21	27.19	67.87	93.21
Pacific	18,371	54,294	274,741	688,970	1,328,328	9.82	21.53	57.61	117.60	156.99
Washington.....	2,846	28,285	94,415	155,872	209,174	8.14	51.40	70.21	110.83	132.05
Oregon.....	2,478	11,066	43,797	98,111	165,461	7.90	25.57	57.86	121.27	170.40
California.....	13,047	14,943	136,529	434,987	953,693	10.80	9.71	51.18	119.40	161.48

¹ Includes \$853,000 indebtedness of local governments in Indian Territory reported separately in 1902.

Source Bureau of the Census, Department of Commerce.

No. 214.—DEBT OF LOCAL GOVERNMENTS BY CLASSES OF CIVIL DIVISIONS. GROSS DEBT LESS SINKING FUND ASSETS, 1932

NOTE.—All figures in thousands of dollars. For combined total, see Table 213

Division and State	Counties	Cities, towns, villages, and boroughs	Other local	Division and State	Counties	Cities, towns, villages, and boroughs	Other local
Grand total.....	2,390,830	3,842,189	3,982,882	South Atlantic—Con			
New England.....	17,213	595,840	95,004	Virginia.....	30,296	124,021	942
Maine.....	2,713	16,227	18,370	West Virginia.....	34,245	15,422	15,533
New Hampshire.....	1,048	13,738	9,844	North Carolina.....	158,859	164,860	44,494
Vermont.....	1,140	8,794	8,701	South Carolina.....	31,242	43,562	18,911
Massachusetts.....	9,774	360,739	3,231	Georgia.....	31,670	42,844	16,983
Rhode Island.....		93,107	439	Florida.....	93,990	252,512	166,129
Connecticut.....	2,938	103,235	54,419	East South Central.....	256,402	298,090	43,758
Middle Atlantic.....	584,652	3,759,016	897,377	Kentucky.....	33,202	53,205	10,787
New York.....	228,511	2,464,909	320,745	Tennessee.....	104,322	119,412	5,730
New Jersey.....	171,128	636,739	281,166	Alabama.....	45,730	82,760	—
Pennsylvania.....	185,013	657,368	295,466	Mississippi.....	73,148	42,653	27,241
East North Central.....	421,671	1,630,793	1,004,096	West South Central.....	258,393	467,497	562,844
Ohio.....	146,038	461,579	259,724	Arkansas.....	5,829	5,700	79,917
Indiana.....	42,140	47,455	104,709	Louisiana.....	11,121	109,727	155,820
Illinois.....	75,717	490,218	503,205	Oklahoma.....	43,570	77,855	61,221
Michigan.....	70,918	522,978	121,828	Texas.....	197,873	274,215	265,986
Wisconsin.....	80,855	108,363	14,630	Mountain.....	55,303	148,989	232,036
West North Central.....	272,222	433,212	306,634	Montana.....	15,113	15,599	31,241
Minnesota.....	67,926	133,446	13,584	Idaho.....	8,890	10,372	52,227
Iowa.....	121,762	42,344	61,390	Wyoming.....	1,566	12,694	23,191
Missouri.....	37,279	117,643	76,040	Colorado.....	3,190	61,510	58,085
North Dakota.....	3,777	13,622	13,807	New Mexico.....	3,965	9,531	12,040
South Dakota.....	6,263	10,006	13,308	Arizona.....	16,636	18,822	32,643
Nebraska.....	6,485	48,201	54,881	Utah.....	4,117	18,679	17,659
Kansas.....	28,730	67,890	37,674	Nevada.....	1,826	1,772	4,977
South Atlantic.....	432,823	839,008	274,070	Pacific.....	92,151	669,234	568,943
Delaware.....	9,635	16,073	1,308	Washington.....	21,008	118,161	70,005
Maryland.....	39,886	180,314	9,770	Oregon.....	26,059	78,024	61,373
				California.....	45,084	473,044	435,565

No. 215.—DEBT OF STATE GOVERNMENTS: GROSS DEBT, SINKING FUND ASSETS, AND DEBT LESS SINKING FUND OF THE 48 STATES COMBINED

[All figures except per capita in thousands of dollars]

Year	Gross debt					Sinking-fund assets	Gross debt less total sinking-fund assets		Funded and floating, less assets in general sinking funds	
	Total	Funded or fixed ¹	Floating		Current ^{1 2}		Amount	Per capita	Amount	Per capita
			Debt to public trust funds	Other float ing ³						
1880...	306,017	261,096	25,723	-----	19,198	31,271	274,746	\$5.48	-----	-----
1890...	258,195	204,641	33,042	-----	19,912	46,985	211,210	3.57	-----	-----
1902 ⁴ ...	274,149	163,819	40,808	-----	69,522	34,859	\$239,369	3.03	-----	-----
1905...	278,135	228,831	38,252	-----	11,052	39,265	238,870	2.85	-----	-----
1910...	322,949	271,607	39,486	-----	11,856	66,814	\$256,143	2.78	-----	-----
1912...	422,797	290,494	38,530	-----	93,773	76,981	\$345,942	3.57	-----	-----
1915...	532,713	403,156	33,508	147	95,902	88,038	444,675	4.52	369,246	\$3.75
1919...	693,623	547,346	40,048	612	105,017	146,677	546,946	5.20	\$466,875	4.44
1922...	1,162,648	985,859	42,068	-----	134,721	227,105	935,543	8.64	\$333,580	7.70
1924...	1,592,643	1,358,932	43,459	1,490	188,762	310,942	1,281,701	11.52	1,130,694	10.16
1925...	1,745,651	1,508,127	46,306	1,225	189,993	346,687	1,398,964	12.42	1,248,602	11.09
1926...	1,858,037	1,609,764	39,635	13,143	195,495	378,056	1,479,981	12.77	\$1,327,514	11.46
1927...	1,995,428	1,725,729	39,378	34,903	195,418	401,697	1,593,731	13.59	1,444,927	12.32
1928...	2,144,332	1,867,291	38,476	42,191	196,374	410,555	1,733,777	14.61	\$1,584,563	13.35
1929...	2,300,057	1,971,170	37,068	46,677	244,542	443,751	1,856,306	15.38	1,689,575	14.04
1930...	2,444,122	2,094,495	37,885	106,226	205,516	449,910	1,994,212	16.35	1,833,428	15.03
1931...	2,666,070	2,259,078	37,769	129,455	239,768	496,293	2,169,777	17.61	1,976,844	16.04
1932 ⁵ ...	2,895,845	2,499,416	(⁶)	(⁷)	396,429	522,211	2,373,634	19.17	(⁸)	(⁹)

¹ Prior to 1925, contingent or special assessment debt was included with funded and fixed debt. In this table, it has been excluded from funded and fixed and included with current debt, except for 1880, 1890, 1905, and 1910, when no segregation could be made.

² Includes special assessment debt, revenue bonds and notes, and warrants.

³ Not segregated prior to 1915, included with funded and fixed.

⁴ Revised figures.

⁵ There was an excess of sinking fund assets over debt in one State.

⁶ Includes figures for the fiscal year 1931 for 18 States. See Table 210.

⁷ Funded or fixed includes floating.

⁸ Not computed.

Source of Tables 214 and 215: Bureau of the Census, Department of Commerce.

No. 216.—DEBT OF STATE GOVERNMENTS: FUNDED, FLOATING, AND SPECIAL ASSESSMENT DEBT AT CLOSE OF YEAR, BY PURPOSE FOR WHICH INCURRED, 1931 ¹

NOTE.—All figures in thousands of dollars. The classification by purpose for many States is more or less imperfect owing to defective records of these States. The column "Other general purposes" includes, besides special-assessment indebtedness and debts which from their nature were not assignable to any of the specific classes shown, debt for which the purpose of issue could not be determined.

Division and State	Total	General government purposes	Agricultural purposes	Highways		Charities, hospitals, and corrections ²	Schools	Soldiers' and sailors' aid and homes	Other general purposes	For public service enterprises and investments
				Road-ways	All other					
Grand total	2,534,297	42,663	4,123	1,256,388	169,228	82,757	56,528	225,498	402,243	294,870
New England	198,922	5,984		21,254	10,530	2,348	2,137	3,645	135,292	17,732
Maine	24,388			14,391	3,165	50	218	301	1,413	4,850
N Hampshire	6,516			3,500		476	91		2,449	
Vermont	9,182	40					508	844	7,650	80
Massachusetts	120,891	566		1,713	2,774	1,523			102,353	11,960
Rhode Island	21,654	5,378		1,650	4,591	299	1,260	2,500	5,134	842
Connecticut	16,291								16,291	
Middle Atlantic	628,271	14,546		265,453	151,440	70,712	2,915	44,400	36,605	42,200
New York	420,077	14,546		106,232	151,440	70,712	2,316	32,400	36,231	6,200
New Jersey	118,216			70,000				12,000	216	36,000
Pennsylvania	89,978			89,221			599		158	
E. N. Central	298,880		1,950	196,070	7,000	400	1,977	74,385	18,065	12
Ohio	8,046							2,500	5,546	
Indiana	3,278		950			400	1,928			
Illinois	196,836			146,070	7,000		49	41,885	1,820	12
Michigan	90,436		1,000	50,000				30,000	9,436	
Wisconsin	1,264								1,264	
W. N. Central	306,254	75		97,500	186		1,728	54,532	9,136	143,097
Minnesota	71,152	75		9,000			812	150	2,150	58,965
Iowa	16,182						630	13,202	2,550	
Missouri	104,865			88,500			286	11,680	4,399	
North Dakota	40,357									40,357
South Dakota	49,961				186			6,000		43,775
Nebraska	237								237	
Kansas	23,500							23,500		
South Atlantic	420,721	709		283,895		887	21,023		108,207	6,000
Delaware	3,741			2,905		275	561			
Maryland	32,096			18,886		52	653		12,505	
Virginia	27,589			6,428			3,413		17,749	
West Virginia	86,376			81,085					5,291	
North Carolina	179,091	250		110,250		560	16,285		49,947	1,800
South Carolina	69,973	459		64,342					5,173	
Georgia	9,552						111		5,241	4,200
Florida	12,303								12,303	
E. S. Central	188,952	1,355		90,059		4,050	7,055		62,583	23,850
Kentucky	2,492						5		2,487	
Tennessee	87,019	1,355		47,200		550	5,144		18,920	13,850
Alabama	66,535			42,859			307		13,370	10,000
Mississippi	32,906					3,500	1,600		27,806	
W. S. Central	236,459	5,000		185,619		2,377	2,552	13,036	19,865	8,010
Arkansas	156,857			133,859		1,517	1,507	9,447	2,617	7,910
Louisiana	73,454	5,000		51,760		860		3,589	12,245	
Oklahoma	1,673						672		1,001	
Texas	4,475						373		4,002	100
Mountain	47,001	4,448		28,646	72	1,983	5,626		6,228	
Montana	5,589	589				1,250	3,750			
Idaho	4,334	1,070		1,821		389	897		157	
Wyoming	4,245			4,245						
Colorado	8,062			5,830					2,232	
New Mexico	11,527	239		9,090	72		594		1,532	
Arizona	1,588								1,588	
Utah	10,635	2,550		7,260			300		525	
Nevada	1,021			400		344	85		192	
Pacific	207,857	10,546	2,173	87,892			11,515	35,500	6,262	53,969
Washington	13,000	4,000						9,000		450
Oregon	58,750	346	2,173	28,492			746	26,500	44	
California	136,107	6,200		59,400			10,769		6,219	53,519

¹ Data not compiled for 1932.

² Includes tuberculosis hospital.

No. 217.—REVENUE RECEIPTS, GOVERNMENTAL-COST PAYMENTS, AND NET

NOTE—All figures in thousands of dollars. Net debt is

City number in order of size	City	Revenue receipts							Governmental cost payments		
		Total	Taxes			Special assessments and charges for outlays	Earnings of—			Total	Operation, maintenance, and interest, total
			General property	License	Other		General departments	Public service enterprises	All other		
1	New York, N Y	660,403	457,269	26,031	8,029	12,707	7,610	36,328	112,429	755,681	601,360
2	Chicago, Ill.	290,808	129,508	7,910	---	20,365	6,996	11,930	24,169	221,163	177,561
3	Philadelphia, Pa.	129,262	92,284	669	71	37	3,101	6,985	25,126	138,979	108,853
4	Detroit, Mich.	124,505	74,007	3,597	274	4,399	7,849	21,644	12,735	126,696	106,154
5	Los Angeles, Calif.	136,831	78,065	5,531	---	12,601	3,383	26,916	10,335	146,336	102,320
6	Cleveland, Ohio	62,750	41,866	2,886	380	2,563	2,293	7,892	4,886	69,881	55,873
7	St Louis, Mo.	49,763	33,182	2,529	---	4,130	1,806	4,046	4,070	55,121	40,358
8	Baltimore, Md.	44,211	29,866	2,196	1,016	745	911	5,031	4,446	53,140	45,043
9	Boston, Mass.	82,659	55,763	1,912	6,653	539	2,522	4,807	10,463	94,630	75,498
10	Pittsburgh, Pa.	50,476	40,222	730	58	333	1,155	3,070	4,908	51,655	43,777
11	San Francisco, Calif.	52,192	31,517	2,078	---	914	1,257	11,432	4,994	63,366	43,335
12	Milwaukee, Wis.	50,222	32,282	748	2,431	1,978	2,005	2,498	8,280	52,274	40,948
13	Buffalo, N Y	50,943	36,213	1,997	870	1,491	817	2,593	6,960	54,366	46,280
14	Washington, D C	45,285	24,697	5,230	2	696	1,646	1,932	11,082	48,134	34,433
15	Minneapolis, Minn.	28,150	20,586	297	71	2,261	681	1,464	2,796	29,017	24,857
16	New Orleans, La.	19,248	11,647	1,134	118	1,637	842	2,152	1,718	25,120	19,604
17	Cincinnati, Ohio	34,192	20,449	1,928	545	1,370	1,811	5,779	38,693	40,700	30,700
18	Newark, N J	40,614	27,191	1,804	457	498	1,756	2,155	6,753	49,326	41,053
19	Kansas City, Mo.	23,432	15,920	1,686	---	1,001	876	2,302	1,647	31,259	20,833
20	Seattle, Wash.	33,474	16,516	228	---	2,309	670	11,280	2,471	37,405	30,514
21	Indianapolis, Ind.	17,756	15,720	169	51	452	485	51	828	17,183	15,432
22	Rochester, N Y	31,746	19,697	1,668	274	1,876	880	1,517	5,834	34,055	28,934
23	Houston, Tex.	16,812	11,965	226	---	1	659	1,652	1,809	12,674	11,585
24	Jersey City, N J	28,235	10,082	1,671	193	122	896	1,748	4,523	32,087	28,695
25	Portland, Ore.	19,698	13,409	802	---	1,485	564	1,978	1,460	20,846	17,762
26	Louisville, Ky.	14,925	10,841	601	---	65	736	1,609	1,073	17,051	12,573
27	Toledo, Ohio	13,306	8,590	701	88	1,315	365	1,199	1,048	14,239	13,561
28	Columbus, Ohio	13,874	7,894	682	95	1,253	303	1,719	1,928	12,814	11,642
29	Oakland, Calif.	19,901	10,548	388	---	1,478	460	3,660	3,397	19,509	15,093
30	Denver, Colo.	18,252	12,382	460	---	1,289	789	2,731	601	19,939	16,067
31	Atlanta, Ga.	9,612	5,448	661	87	536	322	1,771	787	9,195	8,826
32	Dallas, Tex.	10,668	6,725	39	---	611	438	1,401	1,454	11,361	8,339
33	St Paul, Minn.	13,530	8,505	566	15	1,180	222	1,115	1,927	14,059	11,243
34	Birmingham, Ala.	8,167	3,947	1,086	35	1,584	228	22	1,265	7,673	6,374
35	Akron, Ohio	11,092	6,945	435	45	1,254	315	1,148	950	9,767	9,208
36	Memphis, Tenn.	8,994	5,630	364	58	258	200	1,285	1,199	9,140	7,418
37	Providence, R.I.	16,771	12,861	64	58	318	418	1,707	1,345	18,970	15,691
38	San Antonio, Tex.	8,102	5,787	50	---	2	178	1,119	966	8,481	6,855
39	Omaha, Nebr.	12,809	7,594	183	---	751	260	3,018	703	11,467	10,203
40	Syracuse, N Y	15,994	10,069	325	177	1,716	205	789	2,713	15,817	12,787
41	Dayton, Ohio	8,973	6,170	444	33	588	237	785	716	8,820	7,338
42	Oklahoma City, Okla.	6,502	3,492	258	---	482	298	977	995	7,936	6,292
43	Worcester, Mass.	13,555	9,064	317	1,329	320	855	841	829	15,847	12,978
44	Richmond, Va.	10,269	5,911	601	63	169	228	2,131	1,166	10,107	8,878
45	Youngstown, Ohio	6,945	4,488	314	75	503	111	665	489	7,399	6,261
46	Grand Rapids, Mich.	9,869	6,023	68	---	955	459	1,051	1,313	9,758	8,561
47	Fort Worth, Tex.	6,372	4,401	14	---	157	222	830	748	6,412	5,588
48	Hartford, Conn.	13,198	9,566	78	1,259	209	562	916	608	14,058	11,705
49	Flint, Mich.	7,981	5,245	17	---	493	570	643	1,013	8,184	6,720
50	New Haven, Conn.	9,007	7,944	45	161	69	383	1	404	9,189	8,201
51	San Diego, Calif.	8,624	4,475	97	---	457	120	1,733	1,742	9,020	7,385
52	Nashville, Tenn.	5,594	3,489	164	33	109	110	634	1,055	6,031	4,752
53	Long Beach, Calif.	10,980	5,781	160	---	287	194	2,531	2,007	12,315	8,749
54	Springfield, Mass.	11,276	7,803	282	1,225	95	640	708	523	12,351	10,932
55	Tulsa, Okla.	7,660	6,014	138	---	140	101	914	353	8,904	5,962
56	Bridgeport, Conn.	8,486	7,594	53	131	9	407	18	274	8,910	8,206
57	Salt Lake City, Utah	5,209	3,178	108	---	303	168	578	874	5,842	5,057
58	Des Moines, Iowa	7,061	5,591	62	---	66	172	901	269	6,524	6,086
59	Scranton, Pa.	6,022	4,753	64	110	127	186	1	781	6,327	5,781
60	Yonkers, N Y	14,707	10,488	166	153	474	138	654	2,634	14,113	12,951
61	Jacksonville, Fla.	7,903	3,355	120	43	71	139	3,528	647	6,703	6,387
62	Paterson, N J	9,606	5,766	484	67	166	292	1,243	1,598	10,188	8,177
63	Albany, N Y	9,958	6,855	174	105	374	59	818	1,073	10,229	8,021
64	Norfolk, Va.	7,144	4,541	519	10	23	152	962	937	6,404	5,839
65	Trenton, N J	6,481	3,848	264	58	44	209	558	1,500	8,716	7,751
66	Chattanooga, Tenn.	3,669	2,236	102	59	220	169	19	894	4,021	3,460
67	Kansas City, Kans.	7,107	3,714	91	---	471	26	2,452	323	6,653	5,140
68	Fort Wayne, Ind.	5,161	3,406	23	52	93	63	1,294	230	5,551	3,971

Includes miscellaneous expenditures not shown separately.

DEBT OF INDIVIDUAL CITIES OF 120,000 OR MORE INHABITANTS 1932

funded and floating debt less assets in general sinking funds

Governmental-cost payments													City number in order of size
Operation and maintenance of general departments									Operation and maintenance of public service enterprises	Interest	Outlays	Net debt	
Total	General government	Protection to person and property	Health and sanitation	Highways	Charities, hospitals, and corrections	Education		Recreation					
						Schools	Libraries						
489,204	46,712	90,337	50,379	29,896	59,872	148,474	3,456	16,984	18,074	94,082	154,321	1,785,807	1
138,983	13,094	22,861	12,825	12,043	6,509	50,973	1,360	7,421	7,467	31,111	43,602	433,804	2
80,405	8,515	10,131	6,044	5,538	10,267	26,003	637	2,345	2,270	26,118	30,126	477,068	3
71,716	5,499	14,204	7,961	3,620	13,662	20,457	983	1,917	13,744	20,694	20,542	327,127	4
77,838	13,137	13,500	4,624	6,452	9,403	29,063	1,247	2,396	12,559	11,923	44,016	220,621	5
41,250	3,356	6,423	3,199	2,892	6,328	15,028	1,150	588	4,483	10,140	14,008	147,662	6
34,547	3,138	8,153	2,629	2,431	3,838	11,548	514	1,619	2,690	3,121	14,763	67,215	7
35,051	2,506	7,436	3,712	4,441	5,385	8,999	408	868	1,893	8,099	8,097	170,471	8
64,019	4,592	10,577	5,643	3,040	16,291	16,165	968	2,440	3,255	8,224	19,132	130,021	9
35,152	4,242	5,281	2,892	2,086	4,633	11,473	754	953	1,796	6,829	7,878	141,886	10
30,289	2,567	7,321	1,347	1,484	4,408	8,933	305	1,592	5,979	7,067	20,031	158,679	11
36,142	2,490	5,027	4,727	1,888	8,360	9,895	386	1,828	1,215	3,591	11,326	69,923	12
39,603	2,901	5,925	3,248	2,885	8,335	11,113	442	1,498	1,383	5,294	8,086	104,035	13
33,473	1,894	6,044	2,720	3,101	5,036	9,529	430	2,097	900	13,701	13,701	147,662	14
21,028	1,476	2,086	1,706	2,060	3,370	7,321	438	715	862	3,067	4,060	52,202	15
13,610	1,547	3,418	1,471	1,505	359	4,424	78	374	1,516	4,478	5,516	82,509	16
23,736	2,083	2,768	1,642	1,978	4,689	8,414	344	365	1,281	5,683	7,993	81,854	17
32,947	2,639	6,369	3,531	1,249	5,509	10,926	447	904	1,568	6,538	8,273	118,208	18
16,616	2,295	2,403	1,052	1,892	1,778	5,841	286	671	1,203	3,014	10,426	58,589	19
19,764	1,958	3,334	1,600	2,029	3,493	5,866	302	434	6,072	4,678	6,891	91,825	20
13,736	975	2,987	1,098	1,056	830	5,522	311	495	30	1,666	1,751	34,523	21
24,581	1,783	3,036	2,155	2,154	5,371	6,863	233	850	790	3,563	5,121	59,474	22
7,598	958	1,170	544	857	608	3,177	87	104	767	3,220	1,089	57,052	23
23,200	2,207	5,076	1,892	1,122	4,626	6,186	241	628	1,018	4,477	3,392	76,903	24
13,037	1,236	2,585	722	1,193	1,287	4,394	233	745	1,115	3,610	3,084	61,744	25
10,440	716	1,814	1,034	1,161	1,370	3,531	160	299	604	1,529	4,478	32,533	26
10,690	394	1,798	585	1,604	1,617	3,682	211	192	768	2,103	678	38,249	27
8,527	391	1,305	525	442	1,362	3,845	56	69	716	2,299	1,272	27,024	28
10,711	390	2,328	443	707	42	5,945	215	488	1,311	3,071	4,416	60,345	29
13,029	1,360	2,112	696	1,073	1,184	5,065	248	721	1,006	1,942	3,872	32,772	30
7,541	324	1,523	805	539	828	3,089	98	178	425	860	369	32,772	31
6,045	320	1,372	503	294	248	2,888	59	251	509	1,785	3,022	34,904	32
8,310	559	1,816	427	674	497	3,417	240	329	736	2,197	2,816	30,487	33
5,006	215	1,164	400	352	105	2,427	102	214	30	1,278	1,299	19,794	34
6,371	332	699	450	721	702	3,011	92	51	313	2,524	559	39,379	35
5,548	240	1,177	610	425	398	2,269	100	255	402	1,468	1,722	27,886	36
12,628	588	2,753	1,263	816	1,817	4,443	74	392	666	2,397	3,279	42,444	37
4,783	327	969	557	305	36	2,108	88	249	327	1,745	1,626	28,578	38
6,652	370	1,488	291	457	5	3,459	89	150	1,794	1,757	1,264	27,672	39
10,662	488	1,563	775	709	2,545	3,064	117	219	272	1,853	3,030	30,476	40
5,805	297	855	487	325	1,250	2,026	196	124	290	1,243	1,482	21,151	41
4,781	198	1,002	431	200	79	2,406	46	253	292	1,219	1,644	20,272	42
11,855	420	2,008	788	1,178	2,770	3,758	162	204	342	781	2,869	11,147	43
6,164	589	1,213	657	448	542	2,309	76	138	1,007	1,707	1,229	28,107	44
5,396	226	656	224	377	747	2,756	61	177	330	535	1,138	8,177	45
7,227	276	1,210	538	299	1,149	3,227	214	240	432	902	1,197	13,804	46
4,104	189	807	354	286	269	1,922	37	185	260	1,224	824	23,588	47
10,157	556	1,826	998	633	1,492	3,648	135	519	293	1,255	2,353	21,217	48
5,298	191	757	323	217	1,068	2,484	102	107	327	1,095	1,464	17,240	49
7,307	403	1,734	466	378	789	2,879	107	253	3	891	988	14,745	50
5,710	358	1,090	415	496	16	2,767	118	283	713	962	1,635	19,812	51
3,584	238	998	352	297	291	1,103	61	143	307	801	1,279	14,740	52
6,360	391	1,114	583	377	56	3,212	122	395	1,214	1,751	3,566	23,748	53
9,769	387	1,685	879	396	1,820	3,209	220	416	284	879	1,419	17,495	54
4,164	221	813	279	225	60	2,327	49	84	488	1,310	2,942	20,815	55
7,522	343	1,717	684	656	1,047	2,442	152	232	11	673	704	14,954	56
4,094	337	518	175	332	30	2,376	78	175	274	689	785	17,577	57
4,746	223	860	251	458	9	2,352	106	139	446	894	438	17,803	58
5,281	265	917	369	312	701	2,337	37	135	-----	500	546	8,994	59
10,776	655	1,636	1,289	387	1,372	3,487	53	250	520	1,655	1,162	28,988	60
4,090	228	926	445	465	64	1,501	75	233	1,316	981	316	15,324	61
6,885	200	1,374	431	190	826	3,264	75	67	549	743	2,011	28,628	62
5,994	379	1,345	691	518	463	1,781	127	299	593	1,434	2,208	28,082	63
3,747	357	1,117	388	185	185	1,301	37	58	273	1,819	201	32,240	64
6,353	196	1,278	569	402	1,008	2,468	102	125	378	1,020	965	16,809	65
2,680	126	691	178	234	265	1,008	56	52	35	745	561	13,436	66
2,865	151	673	133	145	33	1,578	31	58	1,542	733	1,513	10,732	67
2,928	139	677	188	153	-----	1,473	92	114	761	282	1,580	6,518	68

No. 218.—PER CAPITA REVENUE RECEIPTS, GOVERNMENTAL-COST PAY

City number in order of size	City	Revenue receipts, 1932, for—										Governmental-cost payments for operation, maintenance, and interest, total	
		Revenue receipts, total		Taxes			Special assessments and charges for outlays	Earnings of—					
				General property	License	All other		General departments	Public service enterprises	All other			
		1922	1932								1922	1932	1922
1	New York.....	\$69 94	\$91 49	\$63 35	\$3 61	\$1 11	\$1 76	\$1 05	\$5 03	\$15 57	\$57 31	\$83 31	
2	Chicago.....	54 20	57 01	36 76	2 24	—	5 78	1 99	3 39	6 86	39 92	50 39	
3	Philadelphia.....	47 55	64 82	46 63	.33	04	02	1 57	3 53	12 70	43 24	55 01	
4	Detroit.....	65 53	73 81	43 87	2 13	.16	2 61	4 65	12 83	7 55	50 10	62 93	
5	Los Angeles.....	79 81	101 36	57 83	4 10	—	9 33	2 51	19 94	7 66	48 30	75 80	
6	Cleveland.....	62 55	67 98	45 35	3 13	.41	2 77	2 48	8 55	5 29	47 92	60 52	
7	St Louis.....	44 88	60 01	40 01	3 05	—	4 98	2 18	4 88	4 90	34 05	48 67	
8	Baltimore.....	39 97	53 88	36 40	2 68	1 24	91	1 11	6 13	54 41	35 17	54 90	
9	Boston.....	80 55	104 83	70 72	2 42	8 43	.68	3 20	6 10	13 27	65 52	95 75	
10	Pittsburgh.....	61 50	74 13	59 07	1 07	09	49	1 70	4 51	7 21	49 92	64 26	
11	San Francisco.....	57 07	79 54	48 03	3 17	—	1 39	1 92	17 42	7 60	44 51	66 01	
12	Milwaukee.....	59 50	83 22	53 49	1 24	4 03	3 28	3 32	4 14	13 72	41 07	67 85	
13	Buffalo.....	52 97	87 17	61 97	3 42	1 49	2 55	1 40	4 44	11 91	48 11	79 19	
14	Washington.....	57 27	92 04	50 20	10 63	(1)	1 42	3 35	3 93	22 53	42 03	69 99	
15	Minneapolis.....	54 04	58 45	42 74	6 22	15	4 69	1 41	3 04	5 81	41 57	51 81	
16	New Orleans.....	44 46	40 56	24 54	2 39	25	3 45	1 77	4 54	3 01	35 63	41 32	
17	Cincinnati.....	64 38	73 98	44 24	4 17	1 18	2 96	3 92	5 00	12 50	49 41	66 12	
18	Newark.....	61 40	90 58	60 64	4 02	1 02	1 11	3 92	4 81	15 06	52 93	91 56	
19	Kansas City, Mo.....	51 11	56 96	38 70	4 10	—	2 43	2 13	5 60	4 00	45 38	50 64	
20	Seattle.....	93 85	88 91	43 87	.60	—	6 13	1 78	29 96	6 57	80 41	81 05	
21	Indianapolis.....	49 73	47 42	41 99	.45	14	1 21	1 30	1 4	2 21	35 37	41 22	
22	Rochester.....	56 53	94 76	58 80	4 98	—	5 60	2 63	4 53	17 41	47 71	86 37	
23	Houston.....	42 40	50 25	36 86	.70	—	(1)	2 03	5 09	5 57	33 76	35 69	
24	Jersey City.....	55 91	88 01	59 48	5 21	60	38	2 79	5 45	14 10	54 67	89 45	
25	Portland.....	55 25	63 38	43 14	2 58	—	4 78	1 81	6 36	4 70	38 26	57 15	
26	Louisville.....	33 85	48 36	35 13	1 95	—	2 21	2 39	5 22	3 47	27 60	40 74	
27	Toledo.....	42 88	44 22	28 55	2 33	29	4 37	1 21	3 99	3 48	36 51	45 07	
28	Columbus.....	44 68	46 31	26 35	2 28	32	4 18	1 01	5 74	6 43	34 63	38 52	
29	Oakland.....	39 36	67 32	35 68	1 21	—	5 00	1 56	12 38	11 48	32 32	51 06	
30	Denver.....	52 07	61 94	42 01	1 56	—	4 38	2 68	9 27	2 03	40 79	54 52	
31	Atlanta.....	33 19	33 91	19 22	2 33	31	1 89	1 14	6 25	2 77	25 29	31 14	
32	Dallas.....	38 79	38 06	23 99	.14	—	2 18	1 56	5 00	5 18	31 07	29 75	
33	St Paul.....	46 00	48 37	30 41	2 02	05	4 22	7 9	3 99	6 89	36 42	40 20	
34	Birmingham.....	25 38	29 75	14 38	3 96	13	5 77	.83	08	4 60	21 50	23 22	
35	Arkon.....	40 05	41 65	26 08	1 63	17	4 71	1 18	4 31	3 57	29 86	34 58	
36	Memphis.....	39 90	34 13	21 37	1 38	22	.98	1 76	4 87	4 55	33 28	28 15	
37	Providence.....	46 86	65 54	50 24	.25	23	1 24	1 03	6 67	5 26	37 04	61 29	
38	San Antonio.....	26 20	33 34	23 82	.20	—	.01	.73	4 61	3 97	21 91	28 21	
39	Omaha.....	68 18	58 51	36 06	.84	—	3 43	1 19	13 79	3 21	43 24	46 61	
40	Syracuse.....	49 82	74 01	46 59	1 50	82	7 94	.95	3 65	12 55	38 01	59 17	
41	Dayton.....	40 14	43 18	29 69	2 14	16	2 83	1 14	3 78	3 44	28 30	35 31	
42	Oklahoma City.....	52 00	32 29	17 34	1 28	—	2 39	1 48	4 85	4 94	35 51	31 24	
43	Worcester.....	48 07	68 25	45 64	1 60	6 69	1 61	4 31	4 23	4 18	41 05	65 35	
44	Richmond.....	43 90	55 36	31 87	3 24	34	91	1 23	11 49	6 30	34 93	47 86	
45	Youngstown.....	38 19	37 90	25 60	1 79	43	2 87	6 23	3 79	2 78	34 89	35 72	
46	Grand Rapids.....	42 25	57 28	34 96	.40	—	5 54	2 66	6 10	7 62	30 99	49 69	
47	Fort Worth.....	35 88	37 50	25 91	.08	—	.93	1 31	4 88	4 40	26 92	32 89	
48	Hartford.....	53 57	78 61	56 97	.46	7 50	1 24	3 35	5 46	6 63	41 23	69 72	
49	Flint.....	46 02	47 74	31 37	.11	—	2 45	3 41	3 85	6 06	31 39	40 19	
50	New Haven.....	36 49	55 36	43 82	.28	1 00	43	2 35	2 35	2 48	32 09	50 41	
51	San Diego.....	62 86	53 97	28 00	.60	—	2 86	.75	10 85	10 90	47 22	46 22	
52	Nashville.....	28 01	35 65	22 24	1 05	21	.69	.70	4 04	6 73	23 61	30 29	
53	Long Beach.....	56 83	69 94	36 89	1 02	—	1 83	1 24	16 15	12 81	38 59	55 83	
54	Springfield.....	59 01	73 12	50 60	1 83	7 94	.62	4 15	4 59	3 39	47 75	70 89	
55	Tulsa.....	33 08	51 86	40 72	.93	—	.95	.68	6 19	2 19	30 70	40 37	
56	Bridgeport.....	48 39	57 65	51 59	.36	90	.06	2 76	1 2	1 86	40 54	55 75	
57	Salt Lake City.....	44 10	35 85	21 87	.74	—	2 09	1 16	3 98	6 01	35 95	34 81	
58	Des Moines.....	58 48	48 73	38 59	.42	—	.46	1 19	6 22	1 86	38 69	42 00	
59	Scranton.....	29 24	41 62	32 84	.44	76	.88	1 29	01	5 40	24 47	39 95	
60	Yonkers.....	66 27	103 42	73 76	1 16	1 08	3 34	.97	4 60	18 51	54 45	91 07	
61	Jacksonville.....	47 78	56 49	23 98	.86	30	.51	.99	25 22	4 62	42 32	45 65	
62	Patterson.....	34 47	69 06	41 38	3 48	48	1 19	2 10	8 94	11 49	29 78	58 78	
63	Albany.....	41 26	76 30	52 53	1 33	80	6 70	.45	6 27	8 23	38 74	61 47	
64	Norfolk.....	40 94	55 08	35 01	4 00	05	.18	1 17	7 41	7 22	43 22	45 02	
65	Trenton.....	38 90	52 18	30 99	2 13	47	.35	1 68	4 49	12 07	34 38	62 40	
66	Chattanooga.....	27 58	29 64	18 06	.82	47	1 78	1 36	15	6 98	26 29	27 95	
67	Kansas City, Kan.....	45 42	57 41	30 01	.73	—	3 80	.21	20 05	2 60	38 65	41 52	
68	Fort Wayne.....	42 59	42 55	28 08	.19	43	.77	.52	10 67	1 89	29 48	32 73	

1 Less than one-half of 1 cent.

MENTS, AND NET DEBT OF CITIES OF 120,000 OR MORE INHABITANTS: 1932

Governmental-cost payments, 1932, for—											Net debt		City number in order of size	
Operation and maintenance of general departments										Operation and maintenance of public service enterprises	Interest	1922		1932
Total	General government	Protection to person and property	Health and sanitation	Highways	Charities, hospitals, and corrections	Education		Recreation						
						Schools	Libraries							
\$67 77	\$6.47	\$12 52	\$6.98	\$4.14	\$8.29	\$20 57	\$0.48	\$2 35	\$2.50	\$13 03	\$182 72	\$247.41	1	
39 45	3.72	6 49	3.64	3.42	1.85	14 47	.39	2 11	2.12	8 83	46 35	123.12	2	
40 66	4.30	8.15	3.05	2 80	5.19	13 14	.32	1 19	1.15	13.20	103 38	241.08	3	
42 51	3.26	8.42	4.72	2.14	8 10	12 13	.58	1 14	8 15	12.27	123 37	193.92	4	
57 66	6.03	10 00	3.42	4 78	6 97	22 19	.92	1 77	9 30	8.83	110 59	170.84	5	
44 68	3.64	6.95	3.46	2 80	6.85	16 28	1.26	.64	4.86	10 98	135.85	159 95	6	
41 66	3.78	9.83	3.17	2 93	4 63	13.93	.62	1 95	3.24	3 76	17 99	81.05	7	
42 72	3.05	9 06	4.52	5 41	6 56	10 97	.57	1 06	2.31	9 87	104 84	207.76	8	
51 19	5.82	13.42	7.15	3 86	20 66	20 50	1.23	3 09	4.13	10.43	110 76	164.90	9	
51 03	6.23	7.76	4.25	3 94	6 80	16 85	1.11	1 40	2.64	10 03	123 13	208 38	10	
46 16	4.37	11.16	2.05	2 26	6 72	13 61	.47	2 43	9.11	10.77	135 30	241 82	11	
59 89	4.13	8.33	7.83	3 13	13 85	16 40	.64	3 03	2 01	5 95	66 97	115 86	12	
67 77	4 96	10.14	5.56	4 93	14 26	19 02	.76	2.56	2 37	9 06	84 01	178.02	13	
68 03	3 85	13.50	5.53	6 31	10 24	19 37	.87	4.26	1 95	-----	.36	-----	14	
43 65	3 06	5 57	3 54	4 28	7.00	15 20	.91	1.48	1 79	6.37	92 78	108.37	15	
28 68	3.26	7.20	3.10	3 17	7 6	9.32	.16	.79	3 20	9.44	100 79	173 89	16	
51 36	4 51	5 99	3.56	4 28	10 15	18 21	.75	.79	2 77	12.29	201 23	177.10	17	
73 48	5.89	14.20	7.87	2 79	12 20	24 37	1.00	2 01	3 50	14.58	113 48	263.62	18	
40 39	5 58	5.84	2 56	4 60	4 32	14 20	.70	1 63	2 92	7 33	45 88	141.93	19	
52 49	5 20	8 86	4 25	5 39	9 28	15 58	.80	1 15	16 13	12.42	185 11	243 89	20	
36 69	2 60	7.98	2.93	2 82	2 22	14 75	.83	1.32	.08	4 45	73 00	92 21	21	
73 38	5 32	9 07	6.43	6 43	16 03	20 49	.70	2 54	2 36	10.64	77 61	177 53	22	
23 41	2 95	3 61	1.68	2 64	1 87	9 79	.27	.32	2 36	9 92	103 00	175 76	23	
72 32	6 88	15.82	5 89	3 50	14 42	19 28	.75	1 96	3 17	13 96	118 94	239.72	24	
41 95	3 98	8.32	2 32	3.84	4 14	14 14	.75	2.40	3 59	11.61	95 16	198 06	25	
33 83	2 32	5.88	3 35	3 76	4 44	11 44	.52	.97	1 66	4.95	62 31	105 42	26	
35 53	1 31	5 97	1 35	5.33	5 37	12 24	.70	.64	2 55	6 99	102 37	127 12	27	
28 46	1 31	4 36	1 75	1 47	4 64	12 83	.19	.23	2 39	7 67	55 51	90 20	28	
36 24	1 32	7 87	1 50	2 39	1 4	20 12	.73	1 65	4 44	10.39	51 19	204 14	29	
44 21	4 61	7 17	2 36	3 64	4 02	17 19	.84	2.45	3 72	6.59	61 64	111 20	30	
26 60	1 14	5.37	2 84	1 91	2 92	10 90	.35	.63	1 50	3.03	32 42	48 62	31	
21 57	1 14	4 90	1 79	1 04	.89	10 31	.21	.90	1 81	6.37	69 67	122 38	32	
29 71	2 00	6 49	1 52	2 41	1.78	12 21	.86	1 17	2 63	7.85	54 26	109 00	33	
18 45	.78	4 24	1 46	1 28	.38	8 84	.37	.78	.11	4 66	49 24	72 11	34	
23 93	1.25	2 63	1 69	2 71	2 63	11 31	.35	.20	1 17	9.48	111 97	147 87	35	
21 05	.91	4 46	2 31	1 61	1.51	8 61	.38	.97	1 53	5 57	115 89	103 93	36	
49 33	2 30	10.76	4 94	3 19	7.10	17 35	.29	1 53	2 60	9.36	57 28	165 80	37	
19 68	1 35	3.99	2 29	1 62	.15	8 67	.36	1.03	1 34	7 18	46 13	117 61	38	
30 39	1 69	6.80	1 33	2 09	.02	15 80	.41	.69	8 19	8 03	149 41	126 41	39	
49 34	2 26	7.24	3 59	3 28	11.78	14 18	.54	1.01	1 26	8 57	76 66	141 03	40	
27 94	1 43	4 12	2 35	1 56	6 01	9 75	.94	.60	1 39	5 98	64 76	101 79	41	
23 74	.98	4 98	2 14	.99	.39	11 95	.23	1 26	1 45	6 05	90 85	100 66	42	
59 69	2 12	10.11	3 97	5 93	13 45	18 92	.81	1 03	1 72	3 93	32 82	56 13	43	
33 23	3 18	6 54	3 51	2 42	2 92	12 42	.41	.75	5 43	9 20	92 20	151 50	44	
30 78	1 29	3 74	1 28	2 15	4 26	15 72	.35	1 01	1 83	3 05	84 40	46 65	45	
41 94	1 60	7 03	3 12	1 74	6 67	18 73	1 24	1 39	2 51	5 23	40 24	80 12	46	
24 16	1 11	4 74	2 08	1 68	1 58	11 31	.22	1 09	1 53	7 20	81 68	138 83	47	
60 49	3 31	10.88	5 94	3 77	8 88	21 73	.80	3 09	1 75	7 47	92 42	126 36	48	
31 69	1 14	4 52	1 94	1 30	6 39	14 86	.61	.64	1 95	6 55	94 89	103 11	49	
44 91	2 48	10 66	2 86	2 32	4 85	17 69	.66	1 55	.02	5 48	54 98	90 62	50	
35 73	2 24	6 82	2 60	3 11	.10	17 31	.73	1 77	4 46	6 02	143 80	123 98	51	
22 84	1 52	6 36	2 24	1 90	1 85	7 03	.39	.91	2 34	5 11	79 42	93 95	52	
40 59	2 49	7 11	3 72	2 40	.36	20 50	.78	2 52	7 75	7 50	81 51	151 55	53	
63 36	2 51	10.93	5 69	3 87	11.80	20 81	1 42	2 70	1 84	5 70	71 23	113 46	54	
28 19	1 50	5 50	1 89	1 53	.41	15 76	.33	.67	3 31	8 87	70 25	140 93	55	
51 10	2 33	11.68	4 65	4 45	7.11	16 59	1 03	1 58	.08	4 57	69 47	101 59	56	
28 18	2 32	3 57	1 20	2 28	.20	16 35	.53	1 21	1 89	4 74	79 03	87 28	57	
32 76	1 54	5 94	1 73	3 17	.06	16 23	.73	.96	3 08	6 17	104 19	122 86	58	
36 50	1 83	6 34	2 55	2 15	4 84	16 16	.25	.94	(1)	3 45	20 84	62 16	59	
75 78	4 61	11.51	9 06	2 72	9.65	24 52	.37	1 76	3 66	11 64	118 04	263.85	60	
29 24	1 63	6 62	3 18	3 32	.46	10 73	.54	1 67	9 40	7 01	76 35	109 53	61	
49 50	1 44	9 87	3 10	1 37	5 94	23 47	.54	.48	3 95	5 34	57 32	205 81	62	
45 93	2 91	10.31	5 29	3 97	3 55	13 64	.98	2 29	4 54	10 99	54 70	215 18	63	
28 88	2 75	8 61	2 99	1 43	1 43	10 03	.29	.45	2 11	14 02	194 25	248 55	64	
51 15	1 58	10 20	4 59	3 23	8 12	19 88	.82	1 00	3 05	8 21	31 74	135 34	65	
21 65	1 02	5 59	1 43	1 93	2 14	8 14	.45	.42	.28	6 02	102 43	108 53	66	
23 14	1 22	5 44	1 08	1 17	.26	12 74	.25	.47	12 45	5 93	79 08	86 69	67	
24 14	1 15	5 58	1 55	1 25	-----	12 14	.76	.94	6 27	2 32	32 46	53 74	68	

Source: Bureau of the Census, Department of Commerce

No. 219.—REVENUE RECEIPTS AND GOVERNMENTAL-COST PAYMENTS OF CITIES OF 100,000 OR MORE INHABITANTS: BY SIZE GROUPS, 1932

	Amount (thousands of dollars)				Per capita			
	Total	Over 500,000	300,000-500,000	100,000-300,000	Total	Over 500,000	300,000-500,000	100,000-300,000
Revenue receipts, total.....	2,596,857	1,694,092	353,073	549,692	\$68.82	\$78.27	\$68.95	\$50.11
From taxes, total.....	1,841,707	1,210,630	246,875	384,202	48.80	55.94	48.22	35.02
General property.....	1,719,472	1,132,044	227,720	359,708	45.57	52.30	44.47	32.79
Special property.....	7,726	3,405	541	3,780	.20	.16	.11	.34
Other special taxes.....	21,615	15,962	960	4,693	.57	.74	.19	.43
Business and nonbusiness license.....	90,501	58,804	17,444	14,253	2.40	2.72	3.41	1.30
Poll.....	2,393	415	210	1,768	.06	.02	.04	.16
Special assessments and special charges for outlays.....	101,851	62,782	13,773	25,296	2.70	2.90	2.69	2.31
Fines, forfeits, and escheats.....	9,227	5,483	1,405	2,339	.24	.25	.27	.21
Subventions and grants.....	180,938	115,622	27,912	37,404	4.79	5.34	5.45	3.41
Donations, gifts, and pension assessments.....	39,597	28,235	5,649	5,713	1.05	1.30	1.10	.52
Highway privileges, rents of investment property, and interest.....	111,013	84,461	12,807	13,745	2.94	3.90	2.50	1.25
Earnings of general departments.....	70,094	41,705	12,502	15,887	1.86	1.93	2.44	1.45
Earnings of public service enterprises.....	242,430	145,174	32,150	65,106	6.42	6.71	6.28	5.93
Governmental-cost payments, total.....	2,842,621	1,883,288	392,850	586,483	75.33	87.01	76.72	51.64
Operation, maintenance, and interest, total.....	2,285,993	1,487,360	317,075	481,558	60.58	68.72	61.92	43.90
Operation and maintenance, total.....	1,931,262	1,251,067	271,552	408,643	51.18	57.80	53.03	37.25
General departments, total.....	1,806,517	1,174,259	253,766	378,492	47.87	54.25	49.56	34.50
General government.....	149,909	108,047	21,767	20,095	3.97	4.99	4.25	1.83
Protection to person and property.....	328,797	213,176	44,290	71,331	8.71	9.85	8.65	6.51
Health and sanitation.....	160,010	109,230	21,167	29,613	4.24	5.05	4.13	2.70
Highways.....	127,670	78,996	21,357	27,317	3.38	3.65	4.17	2.49
Charities, hospitals, and corrections.....	234,419	157,291	38,326	38,802	6.21	7.27	7.48	3.54
Education.....	607,090	369,014	81,994	156,082	16.09	17.05	16.01	14.23
Schools.....	22,263	12,679	3,590	5,994	.59	.59	.70	.55
Libraries.....	63,117	42,449	8,681	11,987	1.67	1.96	1.70	1.09
Recreation.....	118,242	83,377	12,594	17,271	3.00	3.85	2.46	1.57
Miscellaneous.....	124,745	76,808	17,786	30,151	3.31	3.55	3.47	2.75
Public service enterprises.....	354,731	236,293	45,523	72,915	9.40	10.92	8.89	6.65
Interest.....	556,628	395,928	75,775	84,925	14.75	18.29	14.80	7.74

No. 220.—COMPARATIVE SUMMARY OF PER CAPITA NET REVENUE RECEIPTS, GOVERNMENTAL-COST PAYMENTS, AND DEBT OF 146 CITIES

NOTE.—See headnote, Table 205. Table includes all cities of 30,000 or more inhabitants in 1903. Data for all cities included were not compiled for 1932.

Year	Per capita revenue receipts ¹			Per capita governmental-cost payments for operation, maintenance, and interest ¹					Per capita net debt ²
	Total	Other than of public-service enterprises	Of public-service enterprises	Total	Operation and maintenance			Interest	
					Total	Of general departments	Of public service enterprises		
1903	\$21 14	\$18. 71	\$2 42	\$16 41	\$14 35	\$13 25	\$1. 10	\$2 06	\$44 71
1909	26 42	23. 53	2 89	20 14	17 28	16 06	1. 22	2 86	61 21
1915	30 00	26. 97	3 03	23. 92	20 34	18 95	1 39	3 58	77 86
1919	35 26	31 65	3 61	28. 07	24 18	22 28	1. 90	3 89	81 18
1922	53 57	48 74	4 83	42. 93	37 14	34 37	2 77	5 79	97 57
1924	58 41	52 42	6 00	45 62	40 42	36 89	3 53	5 20	110 09
1926	66 14	59 55	6 60	50 30	44 27	40 51	3 76	6 03	128 13
1927	69 77	63 09	6 67	52 64	46 25	42 44	3 81	6 38	134 27
1928	72 11	65 46	6 65	54 43	47 79	44 04	3 75	6 64	139 63
1929	69. 63	62. 81	6 82	55 84	48 88	45 16	3. 72	6 97	144 33
1930	73 32	66 40	6 92	57 70	50 40	46 69	3. 71	7. 29	153 02
1931	72 96	66 30	6 66	59 83	52 29	48 65	3. 64	7. 54	159 70

¹ Service transfers and interest transfers included in the amounts for the year 1922.

² Net debt is funded and floating debt less assets in general sinking funds.

Source of Tables 219 and 220: Bureau of the Census, Department of Commerce.

11. MONEY AND BANKING

No. 221.—COINAGE OF THE UNITED STATES MINTS: 1793 to 1933

[All figures in thousands of dollars]

Period 1 or calendar year	Total	Gold	Silver	Minor	Calendar year	Total	Gold	Silver	Minor
1793-1800..	2, 534	1, 014	1, 440	79	1905-----	58, 269	49, 638	6, 332	2, 299
1801-1810..	6, 971	3, 250	3, 569	151	1906-----	92, 335	78, 793	10, 651	2, 891
1811-1820..	9, 328	3, 166	5, 970	191	1907-----	148, 128	131, 907	13, 178	3, 042
1821-1830..	18, 835	1, 908	16, 781	151	1908-----	145, 499	131, 639	12, 392	1, 469
1831-1840..	46, 463	18, 777	27, 343	342	1909-----	98, 621	88, 777	8, 088	1, 756
1841-1850..	111, 959	89, 215	22, 363	380	1910-----	111, 505	104, 724	3, 744	3, 037
1851-1855..	237, 390	214, 142	22, 972	276	1911-----	65, 791	56, 177	6, 457	3, 157
1856-1860..	155, 945	130, 264	24, 660	1, 021	1912-----	27, 417	17, 499	7, 341	2, 577
1861-1865..	185, 015	175, 093	7, 146	2, 775	1913-----	33, 285	25, 433	3, 184	4, 667
1866-1870..	126, 901	115, 417	5, 610	5, 873	1914-----	61, 760	53, 458	6, 084	2, 208
1871-1875..	201, 346	168, 074	31, 833	1, 438	1915-----	30, 145	23, 968	4, 114	2, 063
1876-1880..	378, 984	241, 753	136, 396	834	1916-----	33, 743	18, 525	8, 881	6, 338
1881-1885..	390, 384	243, 745	142, 657	3, 981	1917-----	35, 540	10	29, 412	6, 118
1886-1890..	306, 322	126, 180	175, 003	5, 139	1918-----	31, 446	-----	25, 473	5, 973
1891-1895..	328, 759	260, 169	63, 861	4, 729	1919-----	20, 778	-----	11, 068	9, 709
1896-1900..	546, 055	411, 684	127, 018	7, 352	1920-----	50, 214	16, 990	25, 057	8, 167
1901-1905..	589, 215	475, 645	102, 769	10, 801	1921-----	100, 783	10, 570	89, 058	1, 155
1906-1910..	596, 088	535, 840	48, 053	12, 195	1922-----	165, 077	80, 680	84, 325	72
1911-1915..	218, 388	176, 535	27, 180	14, 672	1923-----	114, 575	45, 365	66, 283	2, 927
1916-1920..	171, 721	35, 525	99, 892	36, 304	1924-----	229, 947	206, 010	21, 627	2, 310
1921-1925..	826, 838	535, 005	281, 167	10, 666	1925-----	216, 457	192, 380	19, 874	4, 203
1926-1930..	496, 704	424, 221	51, 110	21, 375	1926-----	102, 828	78, 541	19, 826	4, 462
1895-----	66, 197	59, 616	5, 698	882	1927-----	141, 147	125, 645	11, 286	4, 216
1896-----	70, 976	47, 053	23, 090	833	1928-----	189, 773	177, 360	8, 749	3, 665
1897-----	98, 042	76, 028	18, 487	1, 526	1929-----	54, 225	40, 235	8, 591	5, 400
1898-----	102, 145	77, 986	23, 034	1, 125	1930-----	8, 731	2, 440	2, 658	3, 632
1899-----	139, 243	111, 344	26, 062	1, 837	1931-----	61, 823	60, 895	621	307
1900-----	137, 649	99, 273	36, 345	2, 031	1932-----	68, 423	66, 665	1, 562	196
1901-----	134, 694	101, 735	30, 838	2, 120	1933-----	13, 136	12, 035	890	206
1902-----	79, 661	47, 185	30, 028	2, 448	Total..	6, 095, 532	4, 526, 218	1, 427, 876	141, 438
1903-----	65, 810	43, 684	19, 874	2, 251					
1904-----	250, 782	233, 402	15, 696	1, 684					

1 Figures for periods are totals, not annual averages.

No. 222.—MONEY IN CIRCULATION, BY KINDS

NOTE.—For total circulation for earlier years see Table 224

[All figures in millions and tenths of millions of dollars]

Date	Total	Gold coin	Gold certifi- cates	Silver dollars	Silver cer- tifi- cates	Treas- ury notes of 1890	Sub- sidi- ary silver	Minor coin	United States notes	Federal reserve notes	Federal re- serve bank notes	National bank notes
June 30:												
1917-----	4, 066 4	666. 5	1, 082. 9	71. 8	468 4	2. 0	193 7	68 4	311 6	506 8	3. 7	690. 6
1918-----	4, 481 7	537. 2	511 2	77 2	370 3	1. 9	216 5	75 0	291 9	1, 698 2	11. 0	691. 4
1919-----	4, 876 6	474. 9	327. 6	79 0	163 4	1. 7	229. 3	81. 8	274 1	2, 450 3	155. 0	639. 5
1920-----	5, 467 6	474. 8	259. 0	76. 7	97 6	1. 7	248. 9	91. 0	278 1	3, 064. 7	185. 4	689 6
1921-----	4, 911 0	447. 3	200 6	65 9	158 8	1 6	235 3	91. 4	259 2	2, 599. 6	129 9	721. 4
1922-----	4, 463 2	415. 9	173. 3	58 0	205 3	1 5	229 3	89 2	292 3	2, 138 7	71 9	727. 7
1923-----	4, 823 3	404. 2	386 5	57. 3	364 3	1 5	247 3	93 9	302 7	2, 234. 7	20 0	711. 1
1924-----	4, 849 3	393. 3	801. 4	54 0	364 4	1 4	253 0	97. 0	297 8	1, 843. 1	10 1	733. 8
1925-----	4, 815 2	402. 3	1, 004 8	54 3	382 8	1 4	262 0	100. 3	282 6	1, 636. 1	6. 9	681 7
1926-----	4, 885 3	391. 7	1, 057 4	51 6	377 7	1 4	270. 1	104. 2	294 9	1, 679. 4	5 5	651 5
1927-----	4, 851 3	385 0	1, 007 1	48 7	375 8	1 3	275 6	108 1	292 2	1, 702. 8	4. 6	650. 1
1928-----	4, 796 6	377. 0	1, 019. 1	46 2	384 6	1 3	278 2	111. 1	298 4	1, 626. 4	4 0	650. 2
1929-----	4, 746 3	368. 5	935 0	43 7	387. 1	1 3	284 2	115 2	262 2	1, 692. 7	3 6	652. 8
1930-----	4, 522 0	357. 2	984 8	38 6	386 9	1 3	281. 2	117. 4	288 4	1, 402. 1	3. 2	650 8
1931-----	4, 821 9	363 0	996 5	34 3	377 1	1 2	273. 1	117 4	299 4	1, 708. 4	2. 9	648 4
1932-----	5, 695 2	452. 8	715. 7	30 1	352. 6	1 2	256 2	113 6	289 1	2, 780. 2	2 7	700 9
1933-----	5, 720 8	320 9	265. 5	28 0	360 7	1 2	256 9	112. 5	268 8	3, 060 8	125 8	919 6
Dec 31												
1932-----	5, 674 9	468 5	600 7	29 2	371 1	1 2	257 8	113 3	294 4	2, 715. 7	2 7	820 5
1933-----	5, 805 6	310. 7	212 9	29 3	406 9	1 2	271 6	117 3	285 7	3, 043. 9	208 2	917 9

Source: Treasury Department.

No. 223.—STOCK OF MONEY IN THE UNITED STATES, BY KINDS

NOTE.—Amounts in thousands of dollars. Figures prior to 1890 have been revised from the best available data, but the older records, especially from 1860 through the early 70's, are not complete and figures for gold and silver those years are only estimates. Figures beginning 1890 have been compiled on the basis of revised figures for June 30 of each year and therefore differ slightly from the monthly circulation statements. In 1927, data were revised to include minor coins beginning 1900 (no satisfactory data available for earlier years) and gold coin and bullion held abroad for Federal reserve banks and to exclude earmarked gold. Gold and silver certificates and Treasury notes of 1890 are not shown, since equivalent amounts held in trust against them are included in gold coin and bullion and silver dollars.

June 30 (except as indicated)	Total	Gold coin and bullion ¹	Silver dollars	Subsid- iary silver	United States notes	Fractional paper cur- rency ²	Other United States cur- rency	State- bank notes	National- bank notes	Per- cent- age of gold to total money
1860.....	442, 102	214, 000	-----	21, 000	-----	-----	-----	207, 102	-----	48. 41
1865.....	1, 180, 197	189, 000	-----	9, 500	431, 066	25, 006	236, 507	142, 920	146, 138	16. 01
1870.....	806, 876	189, 000	-----	10, 000	358, 000	39, 879	2, 507	2, 223	299, 767	21. 06
1875.....	925, 702	121, 135	* 2, 743	28, 000	375, 772	42, 129	551	964	354, 405	13. 09
1880.....	1, 185, 530	351, 841	69, 600	72, 862	346, 681	-----	-----	-----	344, 505	29. 68
1883.....	1, 472, 494	542, 732	152, 048	74, 960	346, 681	-----	-----	-----	356, 073	36. 86
1884.....	1, 487, 280	545, 501	180, 807	75, 262	346, 681	-----	-----	-----	339, 500	36. 68
1885.....	1, 537, 434	588, 697	208, 539	74, 940	346, 681	-----	-----	-----	318, 577	38. 29
1886.....	1, 561, 406	590, 774	237, 192	75, 061	346, 681	-----	-----	-----	311, 699	37. 84
1887.....	1, 639, 413	654, 520	277, 446	75, 548	346, 681	-----	-----	-----	279, 218	40. 07
1888.....	1, 691, 441	705, 819	310, 166	76, 406	346, 681	-----	-----	-----	252, 368	41. 73
1889.....	1, 658, 672	680, 064	343, 947	76, 602	346, 681	-----	-----	-----	211, 379	41. 00
1890.....	1, 685, 123	695, 563	380, 083	76, 825	346, 681	-----	-----	-----	185, 971	41. 28
1891.....	1, 677, 794	646, 583	438, 754	77, 849	346, 681	-----	-----	-----	107, 928	38. 54
1892.....	1, 752, 219	664, 275	491, 058	77, 521	346, 681	-----	-----	-----	172, 684	37. 91
1893.....	1, 738, 808	597, 698	538, 301	77, 415	346, 681	-----	-----	-----	178, 714	34. 37
1894.....	1, 805, 079	637, 293	548, 000	76, 250	346, 681	-----	-----	-----	206, 855	34. 75
1895.....	1, 819, 360	636, 254	547, 777	76, 954	346, 681	-----	-----	-----	211, 691	34. 97
1896.....	1, 799, 975	599, 598	551, 724	75, 972	346, 681	-----	-----	-----	226, 001	33. 31
1897.....	1, 906, 770	696, 239	550, 590	75, 818	346, 681	Minor coin	-----	-----	231, 442	36. 51
1898.....	2, 073, 574	861, 515	561, 351	76, 128	346, 681	-----	-----	-----	227, 900	41. 55
1899.....	2, 190, 094	963, 498	583, 697	74, 867	346, 681	-----	-----	-----	241, 351	43. 99
1900.....	2, 336, 220	1, 034, 384	566, 131	82, 864	346, 681	26, 520	-----	-----	309, 640	43. 71
1901.....	2, 511, 472	1, 124, 639	568, 183	89, 825	346, 681	28, 404	-----	-----	353, 742	44. 78
1902.....	2, 593, 910	1, 192, 595	570, 135	97, 184	346, 681	30, 643	-----	-----	356, 672	46. 98
1903.....	2, 717, 646	1, 248, 682	573, 643	102, 035	346, 681	32, 935	-----	-----	413, 671	46. 96
1904.....	2, 838, 023	1, 327, 656	572, 870	107, 662	346, 681	34, 519	-----	-----	449, 235	46. 78
1905.....	2, 919, 494	1, 357, 656	568, 229	114, 824	346, 681	36, 384	-----	-----	495, 720	46. 50
1906.....	3, 109, 380	1, 475, 707	568, 252	118, 225	346, 681	39, 403	-----	-----	561, 112	47. 46
1907.....	3, 158, 111	1, 466, 389	568, 250	120, 452	346, 681	42, 550	-----	-----	603, 789	46. 43
1908.....	3, 423, 068	1, 618, 133	568, 260	147, 356	346, 681	44, 304	-----	-----	698, 334	47. 27
1909.....	3, 451, 521	1, 642, 042	568, 277	150, 409	346, 681	45, 193	-----	-----	689, 920	47. 57
1910.....	3, 466, 856	1, 636, 043	568, 278	155, 159	346, 681	47, 264	-----	-----	713, 431	47. 19
1911.....	3, 006, 989	1, 753, 197	568, 279	159, 607	346, 681	51, 028	-----	-----	728, 195	49. 61
1912.....	3, 701, 965	1, 818, 188	568, 278	170, 588	346, 681	53, 094	-----	-----	745, 135	49. 11
1913.....	3, 777, 021	1, 870, 762	568, 273	175, 196	346, 681	56, 951	-----	-----	759, 158	49. 53
1914.....	3, 797, 825	1, 890, 657	568, 272	182, 007	346, 681	59, 536	-----	-----	750, 672	49. 78
1915.....	4, 050, 783	1, 985, 539	568, 272	185, 430	346, 681	61, 327	84, 261	-----	819, 274	49. 02
1916.....	4, 541, 730	2, 444, 636	568, 271	188, 890	346, 681	63, 909	176, 168	9, 000	744, 175	53. 83
1917.....	5, 678, 774	3, 220, 242	568, 270	198, 275	346, 681	69, 688	547, 408	12, 790	715, 420	56. 71
1918.....	6, 906, 237	3, 162, 088	599, 516	231, 857	346, 681	78, 146	1, 847, 580	15, 444	724, 205	45. 80
1919.....	7, 688, 413	3, 113, 306	308, 146	242, 870	346, 681	82, 909	2, 687, 557	187, 667	719, 277	40. 49
1920.....	8, 158, 496	2, 865, 482	268, 857	258, 855	346, 681	92, 479	3, 405, 877	201, 226	719, 038	35. 12
1921.....	8, 174, 528	3, 274, 730	288, 788	271, 314	346, 681	98, 522	3, 000, 430	150, 772	743, 280	40. 06
1922.....	8, 276, 070	3, 784, 652	381, 174	271, 211	346, 681	98, 503	3, 556, 062	80, 495	758, 202	45. 73
1923.....	8, 702, 788	4, 049, 554	491, 887	269, 186	346, 681	99, 056	2, 676, 902	22, 083	747, 440	46. 53
1924.....	8, 846, 542	4, 488, 391	503, 755	277, 614	346, 681	102, 445	2, 339, 048	10, 596	778, 012	50. 74
1925.....	8, 299, 382	4, 360, 382	522, 661	283, 472	346, 681	104, 004	1, 942, 240	7, 176	733, 366	52. 54
1926.....	8, 428, 971	4, 447, 397	533, 491	288, 923	346, 681	108, 891	1, 995, 206	5, 713	702, 669	52. 76
1927.....	8, 667, 282	4, 587, 298	537, 944	295, 590	346, 681	113, 295	2, 077, 473	4, 854	704, 146	52. 93
1928.....	8, 118, 091	4, 109, 163	539, 962	299, 010	346, 681	116, 689	2, 002, 811	4, 155	699, 621	50. 62
1929.....	8, 538, 796	4, 324, 351	539, 961	304, 187	346, 681	120, 640	2, 194, 970	3, 755	704, 294	50. 64
1930.....	8, 306, 564	4, 534, 866	539, 960	310, 978	346, 681	126, 001	1, 746, 501	3, 260	698, 317	54. 59
1931.....	9, 079, 624	4, 955, 921	539, 958	308, 619	346, 681	126, 887	2, 101, 578	2, 974	697, 004	54. 58
1932.....	9, 004, 505	3, 918, 596	540, 008	304, 883	346, 681	126, 943	3, 028, 397	2, 772	736, 674	43. 52
1933.....	10, 078, 417	4, 317, 554	540, 007	298, 634	346, 681	126, 746	3, 336, 866	141, 326	970, 601	42. 84
Dec. 31:										
1932.....	9, 704, 030	4, 513, 001	540, 008	306, 694	346, 681	126, 607	2, 987, 015	2, 694	881, 331	46. 51
1933.....	10, 209, 624	4, 322, 599	540, 007	299, 954	346, 681	126, 812	3, 349, 807	236, 250	987, 514	42. 84

¹ Does not include gold bullion and foreign coin outside of the vaults of the Treasury, Federal reserve banks, and Federal reserve agents, except gold held abroad for the account of Federal reserve banks.

² There has been no fractional currency in actual circulation to any extent since 1878.

³ Silver bullion in Treasury.

Source: Treasury Department

No. 224.—MONEY IN CIRCULATION, HELD IN TREASURY AND IN FEDERAL RESERVE SYSTEM, AND TOTAL STOCK

NOTE.—All figures except per capita in thousands of dollars. In conformity with revisions in the form of circulation statement in 1922 and 1927, figures for 1915 on have been compiled to include in the holdings of Federal reserve banks and agents, and hence, in stock of money, gold bullion and foreign coin held by them and gold coin and bullion held abroad for the account of Federal reserve banks, and also to include in the holdings of Federal reserve banks and agents, and, hence, exclude from circulation, all forms of money held by them whether as reserve against Federal reserve notes or otherwise. As to other revisions, see headnote, Table 223. Per capita figures are on basis of population estimates of the Treasury Department

June 30 (except as indicated)	Stock of money in the United States	Money held in the Treasury					Money outside of the Treasury		
		Total	In trust against gold and silver certifi- cates ¹	Reserve against United States notes ¹	Held for Federal reserve banks and agents	All other money	Held by Federal reserve banks and agents	In circulation	
								Amount	Per capita (dol- lars)
1800.....	28,000	1,500				1,500		26,500	4.99
1810.....	58,000	3,000				3,000		55,000	7.60
1820.....	69,100	2,000				2,000		67,100	6.98
1830.....	93,100	5,756				5,756		87,344	6.78
1840.....	189,969	3,664				3,664		186,305	10.91
1850.....	285,367	6,605				6,605		278,762	12.02
1860.....	442,102	6,695				6,695		435,407	13.85
1865.....	1,180,197	96,657				96,657		1,083,541	31.16
1870.....	599,870	156,904	32,085			124,910		774,966	22.10
1875.....	925,702	109,461	17,549			91,912		833,789	18.67
1880.....	1,185,530	225,922	13,753	100,000		112,168		973,382	19.41
1885.....	1,537,434	473,126	228,261	100,000		144,865		1,292,569	23.02
1890.....	1,685,123	684,250	428,387	100,000		155,872		1,429,251	22.82
1892.....	1,739,808	702,420	560,822	96,520		45,587		1,596,701	24.07
1894.....	1,805,079	672,282	528,012	64,977		79,294		1,660,809	24.56
1895.....	1,819,360	701,339	483,947	100,000		117,391		1,601,968	23.24
1896.....	1,799,975	761,441	467,901	100,000		193,540		1,506,435	21.44
1897.....	1,906,770	744,391	478,604	100,000		165,787		1,640,983	22.92
1898.....	2,073,574	759,959	524,245	100,000		135,715		1,837,860	25.19
1899.....	2,190,004	813,376	527,354	100,000		186,022		1,904,072	25.62
1900.....	2,366,220	909,492	684,503	150,000		134,990		2,081,231	26.28
1901.....	2,511,472	1,032,470	724,204	150,000		158,274		2,203,198	28.34
1902.....	2,593,910	1,097,555	782,759	150,000		164,796		2,279,114	28.81
1903.....	2,717,646	1,168,982	851,068	150,000		167,914		2,399,732	29.82
1904.....	2,838,023	1,224,813	939,696	150,000		135,117		2,552,906	31.18
1905.....	2,910,494	1,245,501	949,347	150,000		146,153		2,623,340	31.61
1906.....	3,109,380	1,330,100	995,419	150,000		184,690		2,774,690	32.77
1907.....	3,158,111	1,420,507	1,076,259	150,000		194,247		2,813,863	32.69
1908.....	3,423,068	1,597,132	1,253,213	150,000		193,913		3,079,155	35.19
1909.....	3,451,521	1,590,621	1,296,926	150,000		152,695		3,148,826	35.41
1910.....	3,466,856	1,603,186	1,285,014	150,000		168,172		3,148,684	34.84
1911.....	3,606,989	1,731,084	1,387,149	150,000		193,936		3,263,053	34.72
1912.....	3,701,965	1,782,320	1,415,576	150,000		216,744		3,335,220	34.87
1913.....	3,777,021	1,834,112	1,475,783	150,000		208,329		3,418,692	35.12
1914.....	3,797,825	1,845,570	1,507,179	150,000		188,391		3,459,434	34.93
1915.....	4,050,783	1,967,665	1,610,429	152,977		195,259	382,965	3,319,582	32.96
1916.....	4,541,730	2,356,536	2,057,409	152,979		146,147	593,345	3,649,258	35.63
1917.....	5,678,774	2,859,396	2,063,391	152,979	526,295	116,731	816,365	4,066,404	39.05
1918.....	6,906,237	2,976,251	1,407,694	152,979	1,205,082	210,496	855,984	4,481,697	42.33
1919.....	7,688,413	2,907,812	906,673	152,979	1,416,086	432,074	810,636	4,876,638	45.95
1920.....	8,158,496	2,379,604	704,638	152,979	1,184,276	337,771	1,015,881	5,467,589	51.38
1921.....	8,174,528	2,921,089	919,643	152,979	1,537,857	310,610	1,262,089	4,910,992	45.29
1922.....	8,276,070	3,515,583	1,000,578	152,979	2,108,887	253,139	1,297,893	4,463,172	40.61
1923.....	8,702,788	3,821,846	1,150,168	152,979	2,285,170	233,529	1,207,836	4,823,275	45.18
1924.....	8,846,542	4,248,438	1,628,139	152,979	2,260,891	206,429	1,376,935	4,849,807	42.64
1925.....	8,299,882	4,176,381	2,059,799	153,621	1,752,744	210,217	1,307,591	4,815,208	41.73
1926.....	8,428,971	4,210,358	2,139,770	154,189	1,717,348	199,050	1,473,118	4,885,266	41.71
1927.....	8,667,282	4,159,056	2,096,205	155,421	1,712,003	195,427	1,753,110	4,851,321	40.90
1928.....	8,118,091	3,725,660	1,986,761	156,039	1,387,650	195,199	1,582,576	4,796,626	39.97
1929.....	8,538,796	3,739,886	1,854,373	156,039	1,562,426	217,049	1,856,986	4,746,297	39.08
1930.....	8,306,564	4,021,937	1,978,448	156,039	1,796,239	91,211	1,741,087	4,521,988	36.71
1931.....	9,079,624	4,227,735	2,196,103	156,039	1,776,690	98,902	2,226,059	4,821,933	38.86
1932.....	9,004,505	3,493,122	1,979,137	156,039	1,235,737	122,209	1,798,349	5,695,171	45.63
1933.....	10,078,417	3,797,692	1,711,721	156,039	1,771,486	158,446	2,271,682	5,720,764	45.51
Dec 31:									
1932.....	9,704,030	3,712,282	1,821,913	156,039	1,577,904	156,396	2,138,750	5,674,941	45.31
1933.....	10,209,624	3,766,214	1,056,617	156,039	1,767,950	185,608	2,294,423	5,805,604	46.03

¹ Both of these items include also reserve against Treasury notes of 1890. The first should be deducted from the totals for money held in the Treasury before combining them with total money outside of the Treasury to arrive at the stock of money in the United States.

² Includes total stock of silver dollars and subsidiary silver.

Source Treasury Department.

No. 225.—FEDERAL RESERVE BANKS: PRINCIPAL ITEMS OF ASSETS
 [All figures in thousands of dollars]

Bank and date	Total assets	Reserves		Reserve bank credit outstanding				
		Total	Gold	Total ¹	Total bills and securities ²	Bills discounted	Bills bought in open market	United States securities
All banks								
Dec. 31, 1915.....	696,746	555,430	542,709	(³)	84,180	32,300	23,724	15,856
Dec. 31, 1920.....	6,254,104	2,250,399	2,059,486	3,323,500	3,234,828	2,687,393	260,406	287,023
Dec. 31, 1924.....	5,096,380	3,047,054	2,936,533	1,302,336	1,249,438	314,128	387,100	540,160
Dec. 31, 1925.....	5,109,404	2,824,371	2,701,315	1,459,172	1,395,122	635,193	374,356	374,568
Dec. 31, 1926.....	5,150,081	2,947,553	2,818,539	1,380,983	1,350,955	636,628	380,986	314,820
Dec. 31, 1927.....	5,345,586	2,867,151	2,733,187	1,654,541	1,590,938	581,503	392,039	616,516
Dec. 31, 1928.....	5,351,543	2,708,840	2,584,232	1,808,679	1,783,485	1,056,466	489,070	228,064
Dec. 31, 1929.....	5,458,445	3,010,928	2,857,051	1,581,902	1,547,517	632,421	392,209	510,587
Dec. 31, 1930.....	5,200,648	3,081,517	2,941,219	1,373,332	1,351,852	251,398	363,844	729,467
Dec. 31, 1931.....	5,672,326	3,157,662	2,988,892	1,853,402	1,825,088	638,293	338,687	816,960
June 30, 1932.....	5,614,722	2,776,617	2,577,809	2,309,804	2,205,510	430,990	66,594	1,783,721
Dec. 31, 1932.....	6,114,988	3,331,200	3,150,671	2,144,876	2,128,015	234,932	33,123	1,855,142
June 30, 1933.....	6,530,666	3,813,339	3,543,186	2,219,587	2,212,028	163,684	48,015	1,997,652
Dec. 31, 1933.....	7,040,688	3,793,610	3,568,976	2,688,076	2,669,998	97,590	133,425	2,437,490
Boston								
Dec. 31, 1930.....	376,727	211,365	201,269	95,851	89,328	13,238	25,315	49,925
Dec. 31, 1931.....	443,253	230,799	213,444	141,035	139,768	43,205	33,431	61,002
Dec. 31, 1932.....	393,203	227,945	211,384	111,914	110,729	11,813	2,248	96,678
Dec. 31, 1933.....	501,290	254,025	235,981	195,585	191,202	4,860	28,671	157,671
New York								
Dec. 31, 1930.....	1,790,181	1,047,001	1,007,122	510,990	506,353	61,898	158,273	283,332
Dec. 31, 1931.....	1,737,961	932,477	843,738	640,929	635,015	149,651	163,393	307,356
Dec. 31, 1932.....	2,120,019	1,068,473	1,016,088	804,378	795,642	53,601	9,780	733,374
Dec. 31, 1933.....	2,059,028	988,506	938,402	908,594	900,607	40,691	22,258	836,755
Philadelphia								
Dec. 31, 1930.....	391,515	247,426	238,552	86,587	83,973	25,063	3,496	54,204
Dec. 31, 1931.....	490,445	242,941	227,704	107,375	104,739	116,412	4,065	68,662
Dec. 31, 1932.....	437,105	205,377	185,171	192,751	190,923	47,600	3,054	139,279
Dec. 31, 1933.....	477,469	228,571	197,520	203,070	200,851	26,263	7,858	167,120
Cleveland								
Dec. 31, 1930.....	483,337	286,567	278,471	130,357	127,072	37,216	25,931	62,925
Dec. 31, 1931.....	569,004	338,076	324,989	174,190	171,421	92,609	5,561	73,251
Dec. 31, 1932.....	512,146	260,071	248,902	206,235	204,736	20,076	2,978	181,672
Dec. 31, 1933.....	589,371	306,217	290,574	233,742	232,087	6,876	12,186	213,025
Richmond								
Dec. 31, 1930.....	216,941	120,124	113,220	49,669	47,609	22,766	10,936	13,907
Dec. 31, 1931.....	214,351	101,455	94,360	68,299	65,257	33,877	10,089	10,081
Dec. 31, 1932.....	202,301	97,482	89,319	66,399	65,208	16,200	1,867	47,132
Dec. 31, 1933.....	312,169	183,482	171,406	88,997	87,022	4,533	3,026	78,563
Atlanta								
Dec. 31, 1930.....	228,101	159,425	150,847	42,043	42,301	18,069	15,755	7,877
Dec. 31, 1931.....	201,896	115,622	109,561	63,075	62,925	34,902	13,235	13,938
Dec. 31, 1932.....	177,671	87,227	82,167	66,854	66,202	14,940	3,139	47,404
Dec. 31, 1933.....	233,383	130,092	118,217	81,168	80,361	4,184	4,279	71,898
Chicago								
Dec. 31, 1930.....	632,857	375,462	353,871	167,969	165,777	22,804	52,370	89,603
Dec. 31, 1931.....	929,290	628,870	596,593	228,447	225,569	74,496	42,052	105,531
Dec. 31, 1932.....	1,207,317	851,539	823,728	283,878	281,143	14,969	3,964	262,210
Dec. 31, 1933.....	1,439,779	914,286	880,970	454,763	455,487	4,053	14,091	437,343
St. Louis								
Dec. 31, 1930.....	196,820	113,632	104,329	46,380	48,472	11,301	10,788	26,383
Dec. 31, 1931.....	188,112	101,616	88,953	50,492	57,688	16,886	12,823	27,089
Dec. 31, 1932.....	200,114	101,113	91,297	73,028	73,467	6,338	67,156	67,156
Dec. 31, 1933.....	297,566	174,337	163,253	97,578	99,308	1,415	4,693	93,200
Minneapolis								
Dec. 31, 1930.....	124,264	68,669	64,411	40,128	39,522	3,576	8,411	27,002
Dec. 31, 1931.....	137,585	79,908	74,276	44,138	43,471	7,571	7,329	27,618
Dec. 31, 1932.....	141,631	58,994	53,891	65,507	65,477	9,604	612	54,850
Dec. 31, 1933.....	192,097	106,256	97,934	70,331	70,809	1,872	3,189	65,668
Kansas City								
Dec. 31, 1930.....	199,078	99,571	92,371	63,609	59,624	15,042	12,971	31,611
Dec. 31, 1931.....	194,416	105,436	97,771	60,468	58,500	27,726	11,666	18,778
Dec. 31, 1932.....	190,234	93,820	87,058	71,410	69,619	11,512	855	57,252
Dec. 31, 1933.....	275,696	156,097	146,700	89,737	89,428	1,421	4,566	83,441
Dallas								
Dec. 31, 1930.....	122,218	53,528	46,402	43,652	44,233	4,342	8,575	31,316
Dec. 31, 1931.....	126,954	61,975	54,029	43,740	43,299	10,416	3,019	20,864
Dec. 31, 1932.....	113,105	41,741	33,387	51,845	51,749	5,202	826	45,721
Dec. 31, 1933.....	181,646	185,354	78,557	76,012	76,606	883	9,248	66,475
San Francisco								
Dec. 31, 1930.....	438,609	298,747	290,354	96,097	97,588	15,483	31,023	51,082
Dec. 31, 1931.....	430,110	272,287	263,474	131,214	127,436	30,742	32,014	63,810
Dec. 31, 1932.....	420,052	237,418	228,279	150,617	149,030	23,059	2,527	123,444
Dec. 31, 1933.....	480,594	266,387	249,462	188,509	186,230	1,439	18,460	166,331

¹ Includes in addition to total bills and securities, amounts due from foreign banks and reserve bank float² Includes United States and other securities³ Not available

Source Federal Reserve Board.

No. 226.—FEDERAL RESERVE BANKS: PRINCIPAL ITEMS OF LIABILITIES
 [All figures except reserve percentages in thousands of dollars]

Bank and date	Capital	Surplus	Deposit liability		Federal reserve note circulation	Federal reserve bank notes ¹	Reserve percentage
			Total	Members' reserve			
All Banks:							
Dec 31, 1915.....	54,914		² 401,326	³ 401,175	188,817		94 1
Dec 31, 1920.....	99,821	202,036	1,861,498	1,780,679	3,336,281	216,641	43 3
Dec 31, 1924.....	112,038	217,837	2,310,668	2,220,436	1,862,062		73 0
Dec 31, 1925.....	117,237	220,810	2,257,388	2,212,098	1,538,164		69 0
Dec 31, 1926.....	124,814	228,775	2,275,979	2,194,094	1,550,827		71 4
Dec 31, 1927.....	132,481	233,319	2,530,640	2,486,777	1,789,867		66 4
Dec 31, 1928.....	146,936	254,398	2,439,686	2,388,064	1,538,194		63 3
Dec 31, 1929.....	170,973	276,936	2,413,675	2,355,263	1,909,723		69 6
Dec 31, 1930.....	169,040	274,036	2,517,133	2,470,583	1,663,538		73 7
Dec 31, 1931.....	160,568	259,421	2,124,874	1,961,410	2,624,471		66 5
June 30, 1932.....	154,812	259,421	2,028,263	1,982,127	2,794,963		57 6
Dec 31, 1932.....	151,292	278,599	2,560,385	2,509,460	2,738,608		62 9
June 30, 1933.....	146,763	278,599	2,494,260	2,392,360		123,851	68 2
Dec 31, 1933.....	144,693	277,680	2,864,550	2,720,442		208,997	63 8
Boston:							
Dec 31, 1930.....	11,877	21,290	152,255	150,936	132,035		74 3
Dec 31, 1931.....	11,749	20,039	157,829	149,287	104,460		65 5
Dec 31, 1932.....	10,856	20,460	121,718	119,420	195,960		71 8
Dec 31, 1933.....	10,564	19,840	168,788	165,946		19,976	63 0
New York:							
Dec 31, 1930.....	65,578	80,575	1,077,847	1,062,276	384,975		71 6
Dec 31, 1931.....	61,680	75,077	862,068	795,015	574,186		61 4
Dec 31, 1932.....	58,619	85,088	1,271,867	1,256,961	587,566		57 5
Dec 31, 1933.....	58,280	87,746	1,078,155	1,036,524		54,008	57 2
Philadelphia:							
Dec 31, 1930.....	16,793	27,065	144,604	142,539	153,727		82 9
Dec 31, 1931.....	16,600	26,486	135,490	123,949	269,372		60 0
Dec 31, 1932.....	16,045	29,212	124,575	121,688	238,125		56 6
Dec 31, 1933.....	15,917	27,973	139,257	129,225		20,390	60 9
Cleveland:							
Dec 31, 1930.....	15,813	28,971	191,889	186,377	194,948		74 1
Dec 31, 1931.....	14,630	27,640	165,102	147,046	320,335		69 6
Dec 31, 1932.....	14,101	28,294	152,951	146,559	285,386		59 3
Dec 31, 1933.....	12,404	28,236	192,193	182,299		26,091	63 4
Richmond:							
Dec 31, 1930.....	5,801	12,114	61,673	60,820	100,515		74 1
Dec 31, 1931.....	5,478	11,483	52,570	47,256	109,347		62 7
Dec 31, 1932.....	5,150	11,616	55,078	51,951	101,501		62 3
Dec 31, 1933.....	5,035	10,979	100,441	96,255		4,523	71 1
Atlanta:							
Dec 31, 1930.....	5,346	10,857	62,911	61,014	133,854		81 0
Dec 31, 1931.....	5,158	10,449	51,354	46,368	120,626		67 2
Dec 31, 1932.....	4,679	10,544	51,750	49,700	97,139		58 6
Dec 31, 1933.....	4,450	10,417	72,082	65,442		5,121	66 0
Chicago:							
Dec 31, 1930.....	20,145	39,936	365,152	360,832	139,162		74 5
Dec 31, 1931.....	18,011	38,411	298,334	283,676	519,471		76 5
Dec 31, 1932.....	16,157	39,497	416,028	409,360	692,150		76 8
Dec 31, 1933.....	12,790	40,429	513,673	494,813		28,737	70 4
St. Louis:							
Dec 31, 1930.....	5,053	10,562	71,351	69,521	84,599		72 9
Dec 31, 1931.....	4,693	10,025	65,840	59,456	86,941		66 6
Dec 31, 1932.....	4,360	10,186	64,355	62,027	103,940		60 1
Dec 31, 1933.....	3,944	9,849	100,858	97,260		8,067	68 6
Minneapolis:							
Dec 31, 1930.....	3,063	7,144	49,998	48,447	53,558		66 3
Dec 31, 1931.....	2,951	6,356	49,912	45,827	69,130		67 1
Dec 31, 1932.....	2,855	7,019	39,077	37,760	80,967		49 2
Dec 31, 1933.....	2,878	6,929	60,295	62,013		7,718	66 7
Kansas City:							
Dec 31, 1930.....	4,311	8,702	89,529	87,705	68,424		63 0
Dec 31, 1931.....	4,185	8,124	79,028	75,229	82,711		65 2
Dec 31, 1932.....	4,052	8,263	69,524	68,490	90,490		58 6
Dec 31, 1933.....	4,077	7,744	122,929	118,731		9,615	67 9
Dallas:							
Dec 31, 1930.....	4,356	8,936	58,498	57,533	31,901		59 2
Dec 31, 1931.....	4,135	7,624	52,872	49,811	46,813		62 4
Dec 31, 1932.....	3,910	8,719	48,148	46,779	38,783		48 0
Dec 31, 1933.....	3,719	8,043	97,917	95,937		11,344	60 6
San Francisco:							
Dec 31, 1930.....	11,504	18,475	191,426	182,583	185,839		79 2
Dec 31, 1931.....	11,389	17,707	154,475	138,600	231,079		70 6
Dec 31, 1932.....	10,478	19,701	145,854	138,747	226,011		63 7
Dec 31, 1933.....	10,637	19,495	202,962	184,998		14,407	64 0

¹ Net liability² Net deposits³ Due to member banks—net.

Source Federal Reserve Board

No. 227.—FEDERAL RESERVE BANKS: HOLDINGS OF BILLS BOUGHT IN OPEN MARKET AND FROM OTHER FEDERAL RESERVE BANKS, AS OF DECEMBER 31

[All figures in thousands of dollars]

Bank and year	Total	Bankers' acceptances, based on—							Trade acceptances, total	Bills payable in foreign currencies
		Total	Imports	Exports	Goods stored abroad or in transit	Domestic transactions	Dollar exchange	All other		
All F. R. banks:										
1924.....	387,100	385,606		283,592		94,556	6,882	576	227	1,267
1925.....	374,356	372,225		301,191		63,846	6,112	1,076	1,217	914
1926.....	380,986	377,539	131,907	120,335	37,714	77,698	8,434	1,451	1,258	2,189
1927.....	392,039	390,500	84,624	118,210	81,242	95,795	6,195	4,434	702	837
1928.....	489,069	487,515	108,431	131,886	143,123	90,664	8,707	5,204	537	1,017
1929.....	392,209	390,582	55,506	77,068	146,881	94,222	15,562	1,343	-----	1,627
1930.....	363,844	327,861	38,672	58,071	131,502	81,121	12,341	6,154	-----	35,983
1931.....	338,687	305,258	43,047	55,248	103,582	84,008	13,675	5,698	-----	33,429
1932.....	33,123	3,634	183	478	696	2,228	-----	50	-----	29,489
1933.....	133,425	127,392	22,317	22,269	39,104	38,660	820	4,222	-----	6,033
Boston.....	28,671	28,225	4,775	3,578	9,472	9,339	30	1,031	-----	446
New York.....	22,257	20,191	4,413	3,184	4,478	6,637	43	1,436	-----	2,066
Philadelphia.....	7,858	7,217	1,149	892	2,383	2,793	-----	678	-----	641
Cleveland.....	12,186	11,539	1,712	2,765	3,793	2,409	232	-----	-----	597
Richmond.....	3,926	3,690	744	681	1,130	641	12	482	-----	236
Atlanta.....	4,279	4,068	697	1,353	830	1,077	85	26	-----	211
Chicago.....	14,092	13,298	3,006	2,395	4,879	2,878	140	-----	-----	794
St. Louis.....	4,693	4,532	1,159	763	1,721	804	4	81	-----	161
Minneapolis.....	3,189	3,080	746	491	541	1,278	7	17	-----	109
Kansas City.....	4,566	4,391	781	850	750	1,979	4	27	-----	175
Dallas.....	9,248	9,073	1,509	1,637	2,874	2,636	263	154	-----	175
San Francisco.....	18,460	18,038	1,626	3,680	6,253	6,189	-----	290	-----	422

No. 228.—FEDERAL RESERVE BANKS: HOLDINGS OF UNITED STATES SECURITIES, AS OF DECEMBER 31

[All figures in millions and tenths of millions of dollars]

Bank and year	Total	Bonds	Notes	Certificates and bills	Bank and year	Total	Bonds	Notes	Certificates and bills
All F. R. banks:					Atlanta.....				
1924.....	540.2	75.3	349.4	115.5	1931.....	13.9	6.5	0.4	7.0
1925.....	374.6	60.8	187.1	126.7	1932.....	47.4	10.3	8.1	29.0
1926.....	314.8	48.0	87.4	179.5	1933.....	71.9	11.4	32.3	28.3
1927.....	616.5	290.7	69.1	256.7	Chicago.....				
1928.....	228.1	53.9	106.0	68.2	1931.....	105.5	53.4	2.9	49.3
1929.....	510.6	76.8	215.6	218.2	1932.....	262.2	40.8	34.3	187.1
1930.....	729.5	163.8	226.5	339.2	1933.....	437.3	77.0	177.2	183.2
1931.....	817.0	360.4	33.0	423.6	St. Louis.....				
1932.....	1,855.1	421.9	299.7	1,133.6	1931.....	27.1	11.4	.8	14.9
1933.....	2,437.5	443.3	1,053.3	940.9	1932.....	66.2	13.9	11.3	40.9
Boston.....					1933.....	93.2	14.5	41.9	36.8
1931.....	61.0	27.9	2.0	31.1	Minneapolis.....				
1932.....	96.7	20.3	16.5	59.8	1931.....	27.7	15.8	.6	11.2
1933.....	157.7	24.4	71.0	62.3	1932.....	54.9	17.4	8.1	29.3
New York.....					1933.....	65.7	16.3	26.3	23.1
1931.....	309.4	114.7	18.3	176.4	Kansas City.....				
1932.....	733.4	187.3	118.7	427.4	1931.....	18.7	7.7	.5	10.5
1933.....	836.8	170.0	361.2	305.5	1932.....	57.3	11.8	9.8	35.6
Philadelphia.....					1933.....	83.4	14.1	36.9	32.4
1931.....	68.7	33.7	1.8	33.1	Dallas.....				
1932.....	139.3	31.2	23.4	84.7	1931.....	29.9	18.0	5	11.3
1933.....	167.1	28.1	74.0	65.0	1932.....	45.7	17.3	6.2	22.3
Cleveland.....					1933.....	66.5	18.5	25.5	22.4
1931.....	73.3	31.3	2.3	39.6	San Francisco.....				
1932.....	181.7	36.7	33.9	111.1	1931.....	62.8	32.1	2.4	28.4
1933.....	213.0	32.2	96.3	84.6	1932.....	123.4	25.3	21.3	76.9
Richmond.....					1933.....	166.3	25.1	75.2	66.0
1931.....	19.1	7.8	.6	10.7					
1932.....	47.1	9.6	8.1	29.4					
1933.....	78.6	11.9	35.5	31.2					

Source of Tables 227 and 228, Federal Reserve Board.

No. 229.—FEDERAL RESERVE BANKS: HOLDINGS OF DISCOUNTED BILLS BY CLASSES AND MATURITIES

NOTE—All figures in thousands of dollars Figures by maturities in certain years are for an earlier date than those by classes and in such cases the totals may differ materially

Bank and date	Total (all classes)	Rediscounted bills				Member bank col- lateral notes		Demand and time advances to member banks under sec 10B of F. R. Act	Loans to indi- viduals, partner- ships, and cor- porations
		Commer- cial and agricul- tural paper, n e s ¹	Bank- ers' accept- ances	Trade accept- ances	Secured by U S Govern- ment obliga- tions	Secured by U S Govern- ment obliga- tions	Other- wise secured		
All F R banks									
Dec 31, 1921	1, 144, 346	631, 038	338	9, 985	41, 511	443, 722	17, 752		
Dec 30, 1922	617, 780	270, 781	330	4, 844	3, 618	328, 172	10, 035		
Dec 31, 1923	723, 068	355, 816	233	7, 042	3, 919	340, 766	6, 292		
Dec 31, 1924	314, 128	102, 086		3, 353	1, 276	185, 564	21, 840		
Dec 31, 1925	635, 193	177, 311		3, 357	1, 872	380, 279	72, 374		
Dec 31, 1926	636, 628	170, 961		2, 812	1, 111	364, 169	97, 575		
Dec 31, 1927	581, 503	87, 985		1, 400	163	417, 506	74, 389		
Dec 31, 1928	1, 056, 466	214, 986	46	1, 645	974	658, 242	180, 573		
Dec 31, 1929	632, 421	171, 078	31	2, 177	755	352, 773	105, 607		
Dec 31, 1930	251, 398	98, 250		1, 412	447	88, 990	62, 299		
Dec 31, 1931	638, 293	212, 550		2, 355	3, 591	317, 535	102, 262		
Dec 31, 1932	234, 932	89, 763	116	1, 422	1, 000	60, 000	67, 956	13, 974	701
Dec. 31, 1933	97, 590	19, 740		147	338	26, 891	31, 246	18, 824	404
Boston	4, 860	714		26	20	2, 695	1, 405		
New York	40, 691	2, 395		34		14, 512	11, 731	11, 677	342
Philadelphia	25, 363	6, 201		38	31	5, 255	12, 031	1, 807	
Cleveland	6, 876	2, 498		42	261	1, 747	672	1, 656	
Richmond	4, 533	2, 918		1	13	417	584	574	26
Atlanta	4, 184	1, 028		1	11	216	1, 677	1, 248	3
Chicago	4, 053	1, 167		1	2	909	312	1, 662	
St Louis	1, 415					788	485	133	9
Minneapolis	1, 872	1, 149			(2)	50	624	49	
Kansas City	1, 421	745				39	632	5	
Dallas	883	651				164	63	5	
San Francisco	1, 439	274		4		99	1, 080	8	24

Bank and date	Total	Maturity of discounted bills					
		Within 15 days	16 to 30 days	31 to 60 days	61 to 90 days	After 90 days	Average for year 3
All Federal reserve banks:							
Dec 28, 1921	1, 179, 833	708, 361	116, 690	161, 202	131, 936	61, 644	13.63
Dec 27, 1922	629, 885	436, 465	48, 609	63, 372	50, 059	31, 380	12.14
Dec 26, 1923	857, 151	612, 660	64, 310	84, 069	66, 514	29, 598	9.89
Dec 31, 1924	314, 128	241, 603	18, 335	26, 413	17, 343	10, 434	12.39
Dec. 30, 1925	749, 672	616, 325	35, 816	53, 152	33, 428	10, 951	7.99
Dec 29, 1926	710, 931	575, 544	38, 865	49, 876	37, 232	9, 414	8.04
Dec 28, 1927	609, 209	537, 482	18, 330	26, 892	18, 617	7, 888	7.58
Dec 26, 1928	1, 167, 579	1, 012, 581	38, 740	59, 509	38, 616	18, 124	6.78
Dec 31, 1929	632, 421	508, 072	36, 331	48, 742	25, 932	13, 344	8.00
Dec 31, 1930	251, 398	175, 501	17, 659	26, 966	19, 459	11, 813	10.27
Dec 30, 1931	1, 023, 883	851, 308	39, 895	61, 106	51, 407	20, 167	11.03
Dec 28, 1932	267, 382	187, 581	20, 288	29, 013	19, 503	10, 997	11.49
Dec. 27, 1933	110, 552	82, 787	5, 913	8, 890	11, 748	1, 214	9.84
Boston	6, 858	6, 395	160	151	139	13	14.81
New York	49, 101	36, 636	1, 237	3, 643	7, 585	-----	7.21
Philadelphia	25, 724	20, 942	2, 001	1, 785	979	17	11.74
Cleveland	7, 627	4, 345	491	1, 037	1, 635	119	12.15
Richmond	4, 490	2, 715	760	690	265	60	7.75
Atlanta	4, 834	3, 769	353	455	251	6	23.32
Chicago	4, 178	2, 817	443	529	331	58	21.34
St Louis	1, 510	1, 402	101	-----	7	-----	7.20
Minneapolis	2, 034	970	143	276	273	372	35.62
Kansas City	1, 559	780	125	179	118	357	28.73
Dallas	768	382	55	70	87	174	32.18
San Francisco	1, 869	1, 634	44	75	78	38	7.78

¹ Not elsewhere specified.

² Less than \$500.

³ Represents average maturity (in days) of all time bills discounted during year.

Source: Federal Reserve Board

No. 230.—FEDERAL RESERVE BANKS: HOLDINGS OF DISCOUNTED BILLS, BY STATES

NOTE.—Yearly average based on end of month figures
[All figures in thousands of dollars]

Division and State	1930 1	1931 1	1932 1	1933 1	Division and State	1930 1	1931 1	1932 1	1933 1
United States.....	274,566	335,172	502,251	248,689	South Atlantic—Contd				
New England.....	17,819	17,792	27,640	11,073	Virginia.....	7,785	6,805	9,506	4,786
Maine.....	1,050	1,509	3,450	2,344	West Virginia.....	4,099	4,749	5,230	3,440
New Hampshire.....	1,698	1,452	2,558	993	North Carolina.....	5,801	6,654	3,948	2,149
Vermont.....	1,172	964	2,556	1,002	South Carolina.....	1,424	2,465	2,905	893
Massachusetts.....	9,997	9,264	12,764	4,567	Georgia.....	4,167	4,445	6,903	2,647
Rhode Island.....	477	811	801	278	Florida.....	1,546	966	888	628
Connecticut.....	3,525	3,722	5,511	1,888	East South Central.....				
Middle Atlantic.....	101,317	125,166	187,156	120,011	Kentucky.....	21,719	16,930	18,247	9,527
New York.....	61,335	52,394	69,380	51,902	Tennessee.....	3,393	3,883	3,404	1,456
New Jersey.....	15,244	24,202	47,769	26,100	Alabama.....	6,900	5,354	6,720	3,971
Pennsylvania.....	34,738	48,480	70,007	42,009	Mississippi.....	6,693	5,912	6,611	3,197
East North Central.....					West South Central.....				
Ohio.....	48,903	58,910	81,866	38,466	Arkansas.....	22,049	24,706	24,689	8,193
Indiana.....	16,711	20,924	41,423	24,416	Louisiana.....	3,444	2,102	1,243	418
Illinois.....	5,265	4,065	5,695	3,501	Oklahoma.....	5,702	7,821	8,965	2,291
Michigan.....	8,694	7,344	11,479	2,060	Texas.....	3,930	4,366	4,135	1,889
Wisconsin.....	12,546	17,239	18,676	6,960	Mountain.....	5,274	5,498	13,431	4,237
West North Central.....					Montana.....	765	752	1,853	593
Minnesota.....	17,771	21,794	33,779	11,688	Idaho.....	389	539	1,203	256
Iowa.....	1,144	1,574	4,041	1,835	Wyoming.....	483	669	1,857	577
Missouri.....	2,782	3,189	4,856	1,416	New Mexico.....	1,894	1,659	3,343	1,783
North Dakota.....	5,203	6,368	8,772	2,355	Arizona.....	346	601	1,275	337
South Dakota.....	745	707	1,341	688	Utah.....	33	87	542	84
Nebraska.....	951	1,505	3,354	2,189	Nevada.....	1,350	1,146	2,801	530
Kansas.....	3,460	5,387	6,484	1,744	Pacific.....	14	45	557	72
South Atlantic.....	3,486	3,064	4,932	1,508	Washington.....	13,620	33,448	78,714	26,487
Delaware.....	28,094	30,998	36,729	19,008	Oregon.....	2,385	2,120	6,859	2,566
Maryland.....	714	579	736	431	California.....	2,870	1,684	3,131	692
District of Col.....	2,042	3,110	4,491	2,504		8,664	29,735	68,724	23,229
	526	1,225	2,032	1,530					

1 Figures given include borrowings by Federal intermediate credit banks as follows:

	1930	1931	1932	1933		1930	1931	1932	1933
Minnesota.....		320	367		Louisiana.....	8	389	467	
Missouri.....		6			Texas.....			9	26
Nebraska.....	91	214	587		Washington.....	73	368	208	3
Kansas.....	200	281	407		California.....	247	411	280	
South Carolina.....	63	683	592						

No. 231.—FEDERAL RESERVE GOLD SETTLEMENT FUND: SUMMARY OF TRANSACTIONS THROUGH THE FUND, 1918 TO 1933

[All figures in millions and tenths of millions of dollars]

Year	Balance at beginning of period	Daily settlements between Federal reserve banks		Inter-reserve bank transfers	Withdrawals	Deposits	Balance at end of period
		Transit clearings	Federal reserve note clearings				
1918.....		311 6	45,439 5	(1)	4,812 1	1,614 7	1,705 0
1919.....		401 9	66,053 4	(1)	7,930 9	1,871 9	1,799 7
1920.....		329 7	85,074 2	(1)	7,551 6	1,658 0	1,685 5
1921.....		357 3	64,934 8	(1)	3,289 1	2,303 2	2,408 0
1922.....		522 1	75,336 0	(1)	1,154 0	1,793 0	1,825 3
1923.....		554 4	89,614 7	(1)	1,639 2	1,764 3	1,781 1
1924.....		571 1	97,698 3	(1)	919 6	1,921 8	2,030 2
1925.....		679 5	108,289 5	(1)	909 0	1,779 0	1,788 6
1926.....		689 2	115,455 3	635 8	1,043 4	3,029 2	3,005 3
1927.....		665 3	123,031 5	673 2	1,436 7	3,797 3	3,660 3
1928.....		528 2	132,526 2	658 4	1,172 6	2,855 6	3,014 4
1929.....		687 0	145,132 4	758 7	1,052 1	3,160 3	2,984 6
1930.....		511 2	151,458 3	669 4	1,530 2	2,063 8	1,970 0
1931.....		417 4	124,137 3	540 1	1,905 0	2,729 0	2,625 7
1932.....		314 1	89,527 6	545 4	1,648 4	4,156 6	4,182 8
1933.....		340 3	75,725 4	614 4	2,575 0	4,548 6	4,826 5

1 Included in transit clearings

Source of Tables 230 and 231: Federal Reserve Board.

No. 232.—FEDERAL RESERVE GOLD SETTLEMENT FUND: SUMMARY OF TRANSACTIONS THROUGH THE FUND, BY DISTRICTS, 1933

[All figures in millions and tenths of millions of dollars]

Federal reserve bank	Balance Jan 1	Daily settlements between Federal reserve banks				Interreserve bank transfers		Withdrawals	Deposits	Balance in fund at close of business Dec 31
		Transit clearings		Federal reserve note clearings		Payments	Receipts			
		Pay-ments	Receipts	Pay-ments	Receipts					
Total-----	340 3	75,725.4	75,725.4	614.4	614.4	2,575.0	2,575 0	4,548 6	4,826 5	618 2
Boston-----	14.4	5,554.0	5,736 6	58 2	41 8	273.7	102 4	246 6	256 4	19 2
New York-----	103 8	25,440.6	25,877.4	152 9	146 0	1,178.7	807 6	2,090 8	2,093 0	164 8
Philadelphia-----	20 3	5,694.8	5,742 7	60.6	54 7	132 5	52 0	221 1	250 3	10.9
Cleveland-----	31 2	5,456 9	5,524 1	68 1	49.6	181 8	147 6	201 7	218 5	62.5
Richmond-----	11.1	5,148 9	5,268 1	38 1	38 0	162 9	112 8	214 3	160 1	26.0
Atlanta-----	8 2	2,509 7	2,381.5	22 9	44 3	54.5	126 8	112 5	160 9	22 1
Chicago-----	92 7	10,763 9	10,452 6	89 2	122 7	390 8	599 3	808 6	945 5	160 4
St. Louis-----	14 0	4,089 5	4,019 9	37 4	38 5	60 0	181 2	197 7	168 0	37 0
Minneapolis-----	7 8	1,528 9	1,507 0	25 3	17.4	32 0	74.0	69.8	69 4	19.5
Kansas City-----	13 9	3,443 6	3,346 1	29.1	22 8	21.5	137 9	91 3	97.1	32.3
Dallas-----	7 2	2,718 4	2,694 2	11.8	12 4	29 0	73 0	95 8	100 9	32 9
San Francisco-----	15 8	3,376 3	3,175 2	21.0	26 1	57.6	160 5	198 5	306 4	30.6

Source Federal Reserve Board

No. 233.—FEDERAL RESERVE AGENTS' GOLD FUND: SUMMARY OF TRANSACTIONS

[All figures in millions and tenths of millions of dollars]

Federal reserve agent at—	Balance Jan 1	Withdrawals ¹	Deposits ¹	Transfers to bank	Transfers from bank	Balance Dec. 31
All F. R. banks						
1919	928.5	1,011.4	165.0	675.4	1,479.6	886.3
1920	886.3	1,060.7	451.4	498.6	1,118.3	896.7
1921	896.7	1,589.5	1,023.9	587.4	1,651.2	1,394.0
1922	1,394.0	924.0	492.9	609.5	1,326.8	1,681.1
1923	1,681.1	755.0	148.5	555.7	1,140.0	1,648.9
1924	1,648.9	626.0	149.5	1,022.8	1,158.3	1,307.9
1925	1,307.9	559.8	126.0	975.6	1,061.7	960.2
1926	960.2	568.2	112.3	1,799.4	2,258.5	963.4
1927	963.4	454.2	63.3	2,458.4	2,914.3	1,028.3
1928	1,028.3	473.6	70.5	1,631.4	1,768.1	761.9
1929	761.9	358.5	149.9	1,500.6	2,210.2	1,262.9
1930	1,262.9	—	.5	1,101.7	947.8	1,109.4
1931	1,109.4	1.0	1.3	1,678.5	1,819.5	1,250.7
1932	1,250.7	—	4.0	3,101.6	3,084.5	1,237.6
1933	1,237.6	—	4.0	4,030.3	3,938.5	1,149.7
Boston	134.0	—	—	243.9	228.0	118.1
New York	134.0	—	—	1,758.9	1,715.0	90.1
Philadelphia	73.7	—	—	213.1	208.3	68.9
Cleveland	121.5	—	4.0	196.5	181.5	110.5
Richmond	54.6	—	—	139.2	175.0	90.4
Atlanta	48.0	—	—	82.5	103.5	69.0
Chicago	437.0	—	—	877.0	705.0	265.0
St. Louis	49.3	—	—	145.0	191.9	96.2
Minneapolis	28.0	—	—	43.0	61.5	46.5
Kansas City	51.8	—	—	56.0	88.0	83.8
Dallas	8.4	—	—	78.2	90.3	20.5
San Francisco	97.3	—	—	197.0	190.5	90.8

¹ Withdrawals from and deposits in the Federal reserve agents' gold fund, other than transfers to or from bank, practically ceased with the discontinuance of the agents' gold redemption fund in August 1929.

Source Federal Reserve Board

No. 234.—FEDERAL RESERVE BANKS: VOLUME OF OPERATIONS IN PRINCIPAL DEPARTMENTS

[All figures in millions and tenths of millions of dollars]

Bank and year	Bills dis-counted	Bills pur-chased in open market for own account	Currency received and counted	Coin received and counted	Checks handled	Collection items handled		U S securities—issues, redemptions, and exchanges by fiscal agent department	Transfers of funds
						U S Govern-ment cou-pons paid	All other		
All F. R. banks									
1926	37,682 1	3,353 3	12,585 0	475 0	272,945.2	644 3	6,219 4	4,971 4	120,909 4
1927	31,934 6	4,050 9	12,939 6	432 1	278,399.6	553 7	6,710 3	10,803 0	136,383 9
1928	62,413 0	4,240 7	13,315 6	461 1	301,703 8	543 4	7,414 4	9,002 4	148,749 0
1929	60,747 1	3,587 5	14,782 4	478 2	367,215 1	535 6	7,185 4	7,018 8	170,789 7
1930	14,067 1	3,873 7	14,262 8	537 5	324,853 0	499 1	7,528 0	7,245 2	198,880 9
1931	14,555 6	2,998 4	12,608 6	535 9	248,173 0	480 0	7,321 8	17,543 5	162,095 1
1932	18,648 3	762 8	10,952 6	360 3	176,591 8	529 1	5,427 8	19,645 8	116,040 0
1933	9,632 8	898 0	11,710 4	624 6	167,833 7	578 1	5,539 7	24,622 7	85,559 2
Boston	265 9	95 7	1,075 2	40 4	10,205 8	38 9	528 7	1,128 7	3,339 1
New York	4,753 4	386 5	3,709 0	207 0	57,739 8	286 4	1,682 7	16,116 0	37,289 8
Philadelphia	1,070 0	37 2	825 1	40 2	14,935 6	35 0	289 7	715 0	3,406 1
Cleveland	848 8	31 8	676 4	25 9	13,734 8	56 7	405 9	681 8	3,304 1
Richmond	534 3	21 6	494 6	32 0	7,660 0	14 1	231 8	343 3	3,883 2
Atlanta	246 2	30 0	465 2	17 4	5,881 4	8 0	162 6	240 9	1,537 9
Chicago	435 9	127 1	2,496 3	136 8	16,928 3	67 0	996 5	3,554 7	13,194 6
St. Louis	195 7	28 0	460 2	19 5	7,561 2	13 4	291 4	418 3	2,920 6
Minneapolis	50 2	24 6	197 6	9 9	3,293 4	8 7	219 1	181 4	1,847 6
Kansas City	134 4	19 0	307 1	18 8	6,787 9	16 5	235 2	390 7	3,208 2
Dallas	52 9	15 9	192 9	10 7	4,461 6	5 6	196 4	253 8	2,910 6
San Francisco	1,045 1	80 6	811 8	66 0	8,642 9	22 8	299 7	598 1	8,417 5

No. 235.—FEDERAL RESERVE BANKS: OPERATIONS OF BRANCHES

[All figures in thousands of dollars]

Federal reserve branch and year	Bills dis-counted and bought	Currency and coin received and counted	Checks handled	Noncash collection items handled		Transfers of funds	Fiscal agency—issues, redemptions, and exchanges of U S securities
				Government coupons	All other		
All branches:							
1926	4,499,314	2,879,738	64,716,081	89,637	1,138,245	20,210,569	183,946
1927	4,071,580	2,809,343	64,724,395	79,933	1,150,370	22,240,987	384,349
1928	7,524,192	2,966,956	68,273,066	78,564	1,227,040	25,779,610	324,200
1929	8,601,344	3,293,274	72,034,805	79,570	1,227,485	28,975,751	271,416
1930	2,438,301	3,124,304	62,834,956	74,052	1,088,691	33,111,377	211,848
1931	2,750,613	2,601,089	48,079,197	68,014	975,775	25,041,132	350,538
1932	4,005,703	2,266,957	34,048,272	73,973	814,363	20,260,015	226,105
1933	1,171,239	2,631,352	33,618,776	77,841	1,023,153	13,541,178	275,592
No. 2 Buffalo	457,527	206,555	1,764,755	2,379	35,946	1,183,810	630
No. 4 Cincinnati		133,645	2,153,104	14,435	59,584	330,156	46,668
Pittsburgh		209,975	6,553,825	15,001	47,038	896,497	52,156
No. 5 Baltimore	207,106	251,809	2,514,583	8,069	103,682	822,780	79,142
Charlotte		56,829	1,035,288	507	31,980	615,109	
No. 6 Birmingham		43,020	794,696	276	10,656	67,439	
Jacksonville		68,791	651,018	1,437	19,842	152,612	
Nashville		40,445	825,196	399	36,395	61,208	
New Orleans	56,599	102,207	1,162,879	2,406	43,708	336,612	27,698
No. 7 Detroit	104,670	561,755	2,995,268	6,147	105,727	2,191,959	12,155
No. 8 Little Rock	7,809	30,153	392,904	386	31,903	130,737	415
Louisville	63,695	91,594	1,508,256	3,476	48,639	382,557	606
Memphis	38,661	61,809	713,173	843	48,971	352,222	491
No. 9 Helena	6,527	13,724	254,470	524	9,301	84,236	
No. 10 Denver	35,778	63,022	1,164,156	3,778	39,336	471,359	5,447
Oklahoma City		36,788	1,422,151	534	26,525	130,484	729
Omaha	26,420	46,927	1,094,416	2,423	59,871	635,190	4,785
No. 11 El Paso	4,276	16,382	224,352	310	10,425	130,220	
Houston	5,034	41,923	886,213	1,073	59,434	938,540	
San Antonio	4,952	43,827	576,685	703	28,499	279,020	
No. 12 Los Angeles	38,819	344,808	2,384,680	7,824	53,870	1,702,173	34,284
Portland	12,663	41,141	776,090	1,660	26,867	393,008	2,685
Salt Lake City	20,415	31,732	615,999	875	38,844	359,544	1,899
Seattle	63,103	75,031	724,884	1,821	23,389	759,342	4,982
Spokane	17,185	17,460	429,735	555	22,721	134,364	830

Source of Tables 234 and 235. Federal Reserve Board.

No. 236.—FEDERAL RESERVE BANKS: DISCOUNT RATES IN EFFECT JANUARY 1, 1929, AND CHANGES TO DECEMBER 31, 1933

NOTE.—For rates for 1914 to 1921, see Statistical Abstract 1923, Table 240; for 1922 to 1928, Statistical Abstract 1933, Table 232

Month established	Boston	New York	Philadelphia	Cleveland	Richmond	Atlanta	Chicago	St Louis	Minneapolis	Kansas City	Dallas	San Francisco
Rediscounts for and advances to member banks under secs. 13 and 13 (a) of the Federal Reserve Act												
In effect Jan 1, 1929	5	5	5	5	5	5	5	5	4½	4½	4½	4½
1929—Mar									5	5	5	5
May		6										
Aug	4½	4½					4½					
Nov										4½		4½
Dec												
1930—Jan			4½				4½			4½		4½
Feb	4	4		4½	4½		4	4½	4½	4	4½	
Mar		3½	4	4								4
Apr					4	4		4	4		4	
May	3½	3										
June		2½		3½			3½					
July	3		3½		3½	3½						
Aug								3½		3½		3½
Sept									3½		3½	
Dec		2		3								
1931—Jan	2½					3	3	3				3
May	2	1½	4	2½	3		2½	2½		3	4	2½
Oct	3½	3½	3½	3½	4		3½	3½		3½		3½
Nov						3½						
1932—Jan					3½						3½	
Feb		3										
June		2½					2½					
1933—Mar		3					3½					
Apr		3										
May		2½					3					
June	3		3	3				3				3
Oct		2		2½			2½					
Nov	2½		2½									2½
Advances to member banks under sec 10 (b) of the Federal Reserve Act												
1933—Jan	5	5	5	5	5	5	5	5	5	5	5	5
July	4½	4½	4½			4½	4½					4½
Aug				4½								
Oct	4	4	4	4			4	4½				4
Dec											4½	
Advances to nonmember banks and trust companies under acts of Mar 9 and 24, 1933												
1933—Mar		5		5	5	5	5	5		5	5	5
Apr												
May	5		5						5		5	
July	4½	4½	4½			4½	4½					4½
Aug				4½								
Oct	4	4	4	4			4					4
Dec											4½	
Discounts for and advances to individuals, partnerships, and corporations under sec. 13, par 3, of the Federal Reserve Act as amended by act of July 21, 1932												
1933—Aug	6	6	6	6	6	6	6	6	6	6	6	6
Sept												
Advances to individuals, partnerships, and corporations, secured by direct obligations of the United States under sec 13 of the Federal Reserve Act (sec 403 of act of Mar. 9, 1933)												
1933—Mar	4½	4½	4½	4½	4½	4½	4½	4½	4½	4½	4½	4½
Apr									4½			
Oct	4	4	4	4			4					4

¹ Rate changed to 5 on Nov. 1 and 4½ on Nov. 15

² Rate changed to 2½ on Oct. 10 and 3½ on Oct. 17.

³ Rate changed to 2½ on Oct. 9 and 3½ on Oct. 16

⁴ Rate changed to 3 on Oct. 10 and 3½ on Oct. 24

⁵ A general rate of 5 percent was adopted Jan. 1, 1933, prior to which time the rate of 5½ percent was specified for each advance under sec 10 (b)

Source Federal Reserve Board

No. 237.—FEDERAL RESERVE BANKS: AVERAGE ANNUAL RATE OF EARNINGS ON BILLS AND SECURITIES

NOTE.—Rate on "All classes" covers, besides classes specified, earnings on a small amount of municipal warrants, Federal intermediate credit bank debentures, Federal land bank bonds, and foreign loans on gold

Bank and year	Average annual rate (per cent) on—				Bank and year	Average annual rate (per cent) on—			
	All classes	Dis-count-ed bills	Pur-chased bills	U. S. securi-ties		All classes	Dis-count-ed bills	Pur-chased bills	U. S. securi-ties
All banks:					Richmond				
1920.....	5 50	5 88	5 66	2 21	1931.....	2 37	3 42	1 82	1 55
1921.....	5 61	6 07	5 70	2 37	1932.....	2 64	3 61	3 54	1 79
1922.....	4 11	4 63	3 54	3 67	1933.....	2 09	3 27	1 75	1 79
1923.....	4 33	4 46	4 14	4 01	Atlanta				
1924.....	3 83	4 25	3 31	3 67	1931.....	2 41	3 12	1 85	1 79
1925.....	3 51	3 67	3 17	3 56	1932.....	2 69	3 55	3 33	1 78
1926.....	3 76	3 95	3 55	3 60	1933.....	2 09	3 65	1 13	1 77
1927.....	3 60	3 83	3 49	3 41	Chicago				
1928.....	4 24	4 56	3 97	3 64	1931.....	2 30	3 10	2 01	2 14
1929.....	4 86	5 03	5 00	3 93	1932.....	2 04	3 25	3 88	1 71
1930.....	3 25	3 93	2 85	3 06	1933.....	1 74	3 09	1 34	1 68
1931.....	2 20	3 01	2 04	1 86	St. Louis				
1932.....	2 33	3 43	3 93	1 84	1931.....	2 22	3 00	1 72	2 04
1933.....	1 98	3 23	1 49	1 83	1932.....	2 27	3 50	3 91	1 83
					1933.....	1 86	3 34	1 33	1 81
Boston					Minneapolis:				
1931.....	1 91	2 78	1 97	1 62	1931.....	2 30	3 50	1 75	2 23
1932.....	2 23	3 53	4 13	1 73	1932.....	2 46	3 52	4 02	2 11
1933.....	1 86	2 83	1 71	1 80	1933.....	2 13	3 41	1 28	2 03
New York					Kansas City				
1931.....	1 99	2 41	2 17	1 76	1931.....	2 12	3 33	1 76	1 62
1932.....	2 15	3 03	3 89	1 89	1932.....	2 49	3 52	3 79	1 80
1933.....	1 99	2 71	1 55	1 89	1933.....	1 94	2 94	1 17	1 82
Philadelphia:					Dallas				
1931.....	2 59	3 32	4 33	1 82	1931.....	2 49	3 41	1 96	2 23
1932.....	2 59	3 53	4 84	1 83	1932.....	2 65	3 64	4 10	2 20
1933.....	2 18	3 42	1 63	1 82	1933.....	2 14	3 55	1 80	2 03
Cleveland					San Francisco				
1931.....	2 22	3 09	2 03	1 75	1931.....	2 31	3 04	1 88	1 99
1932.....	2 39	3 53	4 66	1 81	1932.....	2 74	3 68	3 59	1 80
1933.....	2 04	3 45	2 28	1 81	1933.....	2 12	4 00	1 30	1 80

No. 238.—FEDERAL RESERVE BANKS: PROFIT AND LOSS ACCOUNT

[All figures in thousands of dollars]

Bank and year	Gross earnings	Net earnings	Divi-dend pay-ments	Fran-chise tax to Gov-ernment	Carried to sur-plus	Capital and surplus, Dec 31
All Federal reserve banks						
1923.....	50,709	12,711	6,553	3,613	2,546	331,060
1924.....	38,340	3,718	6,682	114	¹ 5,078	329,875
1925.....	41,801	9,449	6,916	59	2,474	337,547
1926.....	47,600	16,612	7,329	818	8,464	355,589
1927.....	43,024	13,048	7,754	250	5,044	365,800
1928.....	64,053	32,122	8,458	2,585	21,079	401,334
1929.....	70,956	36,403	9,584	4,283	22,536	447,900
1930.....	36,424	7,988	10,269	17	¹ 2,298	444,276
1931.....	29,701	2,972	10,080	-----	¹ 7,058	419,989
1932.....	50,019	22,314	9,282	2,011	² 11,021	429,891
1933.....	49,487	7,957	8,874	-----	¹ 917	422,375
Boston	2,774	26	646	-----	¹ 620	30,405
New York	17,524	6,198	3,510	-----	2,688	146,026
Philadelphia	4,311	³ 319	950	-----	¹ 1,269	43,890
Cleveland	4,705	732	789	-----	¹ 67	40,640
Richmond	1,699	308	308	-----	¹ 637	16,014
Atlanta	1,687	155	232	-----	¹ 127	14,867
Chicago	6,765	1,790	855	-----	¹ 932	53,219
St. Louis	1,629	³ 91	247	-----	¹ 337	13,793
Minneapolis	1,498	82	171	-----	¹ 89	9,806
Kansas City	1,742	³ 268	250	-----	¹ 510	11,821
Dallas	1,251	³ 448	223	-----	¹ 676	11,762
San Francisco	3,902	429	635	-----	¹ 206	30,132

¹ Withdrawn from surplus account

² Exclusive of a reserve of \$3,158,000 for depreciation on U S bonds charged to surplus and returned direct to surplus at the end of 1931 and 1932, respectively.

³ Net loss

Source of Tables 237 and 238 Federal Reserve Board.

No. 239.—REPORTING MEMBER BANKS OF THE FEDERAL RESERVE SYSTEM IN LEADING CITIES: PRINCIPAL ASSETS AND LIABILITIES

NOTE—All figures in millions of dollars. Data are monthly averages of weekly figures. Following the banking holiday in March 1933, reports were received from 91 cities instead of 101 cities as formerly. The 91 cities now included are those in which all or nearly all reporting member banks were licensed to resume operations after the banking holiday. Figures on the 91 city basis prior to 1932 are not available.

Year and month	Loans and investments				Investments	Net demand deposits	Time deposits	Reserve balances	Borrowings at Federal reserve banks
	Total	Loans		All other					
		Total	On securities						
101 CITIES									
1922.									
June.....	15, 242	11, 024	3, 909	7, 115	4, 218	11, 138	3, 349	1, 405	130
December.....	16, 006	11, 445	4, 123	7, 322	4, 661	11, 146	3, 720	1, 383	392
1923.									
June.....	16, 428	11, 905	4, 157	7, 748	4, 522	11, 176	4, 020	1, 400	466
December.....	16, 318	11, 985	4, 142	7, 843	4, 333	11, 127	4, 083	1, 382	502
1924.									
June.....	16, 816	12, 249	4, 310	7, 939	4, 567	11, 773	4, 391	1, 539	131
December.....	18, 465	13, 087	4, 917	8, 170	5, 378	13, 184	4, 855	1, 691	145
1925.									
June.....	18, 641	13, 375	5, 289	8, 085	5, 266	12, 805	5, 202	1, 622	238
December.....	19, 413	14, 248	5, 343	8, 405	5, 165	13, 173	5, 357	1, 685	491
1926.									
June.....	19, 596	14, 235	5, 693	8, 541	5, 362	13, 074	5, 641	1, 664	252
December.....	19, 742	14, 578	5, 771	8, 807	5, 165	13, 032	5, 768	1, 680	447
1927.									
June.....	20, 506	14, 849	6, 220	8, 628	5, 658	13, 414	6, 163	1, 744	268
December.....	21, 328	15, 396	6, 676	8, 720	5, 932	13, 872	6, 419	1, 781	388
1928.									
March.....	21, 502	15, 370	6, 586	8, 784	6, 133	13, 579	6, 689	1, 726	362
June.....	22, 063	15, 871	6, 962	8, 909	6, 193	13, 450	6, 923	1, 740	796
September.....	21, 871	15, 898	6, 840	9, 059	5, 973	13, 049	6, 831	1, 699	822
December.....	22, 189	16, 253	7, 198	9, 055	5, 986	13, 399	6, 842	1, 748	799
1929.									
March.....	22, 472	16, 491	7, 580	8, 911	5, 981	13, 288	6, 839	1, 715	740
June.....	22, 231	16, 480	7, 332	9, 149	5, 751	13, 001	6, 739	1, 672	670
September.....	22, 646	17, 197	7, 654	9, 543	5, 449	13, 180	6, 810	1, 703	706
December.....	23, 012	17, 444	7, 968	9, 476	5, 567	13, 774	6, 727	1, 743	490
1930.									
March.....	22, 352	16, 746	7, 964	8, 781	5, 607	13, 093	6, 974	1, 697	81
June.....	23, 024	17, 048	8, 560	8, 487	5, 977	13, 631	7, 211	1, 781	53
September.....	23, 220	16, 859	8, 383	8, 476	6, 361	13, 622	7, 471	1, 813	44
December.....	23, 117	16, 332	7, 776	8, 557	6, 784	13, 839	7, 221	1, 834	141
1931.									
March.....	22, 839	15, 452	7, 302	8, 150	7, 387	13, 678	7, 266	1, 811	35
June.....	22, 439	14, 623	6, 770	7, 853	7, 816	13, 425	7, 258	1, 827	56
September.....	22, 078	14, 283	6, 413	7, 870	7, 795	13, 137	6, 892	1, 791	127
December.....	20, 749	13, 204	5, 763	7, 441	7, 545	12, 024	6, 013	1, 637	499
1932.									
March.....	19, 434	12, 375	5, 388	6, 987	7, 059	10, 950	5, 691	1, 447	368
June.....	18, 877	11, 420	4, 811	6, 609	7, 457	11, 013	5, 599	1, 626	191
September.....	18, 739	10, 753	4, 524	6, 229	7, 986	11, 143	5, 625	1, 778	128
December.....	18, 840	10, 340	4, 319	6, 021	8, 500	11, 688	5, 648	2, 002	75
91 CITIES									
1932.									
January.....	17, 916	11, 331	5, 037	6, 294	6, 585	10, 752	4, 712	1, 395	321
February.....	17, 531	11, 086	4, 901	6, 185	6, 445	10, 285	4, 618	1, 327	335
March.....	17, 226	10, 784	4, 804	5, 980	6, 442	10, 102	4, 592	1, 336	252
April.....	16, 923	10, 402	4, 671	5, 831	6, 521	10, 236	4, 569	1, 439	185
May.....	16, 968	10, 157	4, 403	5, 754	6, 811	10, 377	4, 617	1, 568	130
June.....	16, 752	9, 894	4, 245	5, 649	6, 858	10, 264	4, 536	1, 514	143
July.....	16, 323	9, 471	4, 065	5, 506	6, 752	10, 067	4, 492	1, 460	155
August.....	16, 504	9, 417	4, 033	5, 384	7, 087	10, 128	4, 571	1, 538	122
September.....	16, 678	9, 292	3, 986	5, 306	7, 386	10, 429	4, 508	1, 672	96
October.....	16, 974	9, 160	3, 906	5, 254	7, 814	10, 637	4, 634	1, 765	77
November.....	16, 947	8, 965	3, 756	5, 209	7, 982	10, 866	4, 654	1, 847	70
December.....	16, 819	8, 912	3, 794	5, 118	7, 907	10, 989	4, 618	1, 902	45
1933.									
January.....	16, 669	8, 725	3, 709	5, 016	7, 944	11, 198	4, 645	1, 987	38
February.....	16, 577	8, 657	3, 708	4, 949	7, 920	10, 967	4, 571	1, 790	51
March.....	15, 933	8, 340	3, 723	4, 617	7, 593	9, 619	4, 306	1, 408	598
April.....	15, 934	8, 263	3, 605	4, 658	7, 671	10, 070	4, 342	1, 549	157
May.....	16, 341	8, 413	3, 700	4, 713	7, 928	10, 636	4, 296	1, 563	90
June.....	16, 019	8, 505	3, 764	4, 741	8, 114	10, 939	4, 320	1, 667	47
July.....	16, 710	8, 597	3, 835	4, 762	8, 113	10, 654	4, 524	1, 640	25
August.....	16, 600	8, 541	3, 768	4, 773	8, 059	10, 428	4, 526	1, 729	31
September.....	16, 566	8, 559	3, 728	4, 831	8, 007	10, 491	4, 495	1, 871	23
October.....	16, 536	8, 580	3, 636	4, 944	7, 956	10, 589	4, 478	1, 924	21
November.....	16, 688	8, 564	3, 574	4, 990	8, 124	10, 648	4, 458	1, 909	22
December.....	16, 620	8, 457	3, 595	4, 862	8, 163	10, 744	4, 354	1, 885	24

Source: Federal Reserve Board.

FEDERAL RESERVE SYSTEM

No. 240.—ALL MEMBER BANKS OF THE FEDERAL RESERVE SYSTEM: ASSETS AND LIABILITIES, AS OF DECEMBER 31

[All figures, except number of banks, in millions of dollars]

Call date (Dec 31 except as indicated)	Loans and investments					Cap- ital, sur- plus, and undiv- ided profits ³	Total deposits ⁴	Demand de- posits ⁴	Time de- posits ⁴	United States de- posits ⁴	Due to banks ⁴	Net demand deposits ⁴	Net demand plus time de- posits ⁴	Reserve with Federal reserve banks ⁴	Bills pay- able and redis- counts	Num- ber of banks
	Total	Loans ¹	Investments													
			Total	U. S. securi- ties	Other securi- ties											
All member banks:																
1915.....	9,861	7,622	2,239	742	1,497	1,563	10,636	6,334	1,506	35	2,761	7,971	9,477	414	99	7,631
1920 (Dec. 20).....	25,531	19,555	5,976	2,610	3,357	4,120	24,220	14,632	6,188	316	4,548	15,345	21,533	1,763	3,036	9,606
1924.....	28,746	21,966	8,813	3,874	4,939	4,632	32,284	17,788	9,805	242	4,548	13,468	28,273	2,228	4,081	9,587
1925.....	30,884	21,906	8,988	3,728	5,100	4,673	34,328	18,002	10,653	204	4,221	13,222	29,013	2,208	733	9,489
1926.....	31,642	22,662	8,980	3,889	5,100	4,666	34,328	18,002	10,653	204	4,221	13,222	29,013	2,208	700	9,200
1927.....	34,247	23,886	10,361	3,978	6,383	5,210	36,669	19,032	12,765	267	4,606	16,944	32,870	2,514	1,063	9,684
1928.....	35,684	25,155	10,522	4,312	6,217	5,224	38,075	19,032	12,765	267	4,606	16,944	32,870	2,514	1,063	9,684
1929.....	35,994	26,150	9,784	3,963	5,821	5,289	38,014	18,439	13,233	143	4,148	19,767	33,387	2,409	879	8,837
1930.....	34,860	23,870	10,989	4,125	6,864	6,708	38,014	18,439	13,233	143	4,148	19,767	33,387	2,409	879	8,837
1931.....	30,575	19,261	11,314	5,419	5,996	6,653	37,117	15,704	11,316	412	3,314	16,193	32,516	2,475	355	8,052
1932.....	27,460	15,204	12,265	6,540	5,726	6,602	30,746	13,778	10,550	475	3,940	15,167	25,743	1,975	589	7,246
1933 ²	25,220	12,833	12,386	7,254	5,132	1,969	27,181	13,752	9,125	997	3,307	14,821	23,946	2,678	143	6,011
New York City:																
1920.....	8,774	6,683	2,091	1,112	979	179	10,208	7,155	1,336	20	1,695	6,418	7,754	827	179	56
1930.....	8,532	6,147	2,435	1,239	1,197	145	9,690	6,457	1,268	37	1,900	6,405	7,701	890	67	48
1931.....	7,460	4,763	2,697	1,708	928	105	7,817	5,464	1,320	167	1,357	5,161	6,392	905	31	39
1932.....	7,327	3,538	2,603	1,186	1,115	115	7,731	4,810	937	173	1,881	6,020	6,937	1,132	13	37
1933 ²	6,995	3,453	2,362	1,179	93	93	7,298	4,801	748	422	1,326	5,571	6,319	903	5	36
Chicago:																
1920.....	1,757	1,448	309	116	193	133	1,879	1,115	419	8	337	1,187	1,605	169	41	17
1930.....	1,861	1,344	518	240	277	194	320	2,047	1,202	25	381	1,242	1,752	210	14	14
1931.....	1,517	1,038	480	288	191	122	1,624	913	389	16	306	1,034	1,423	160	12	12
1932.....	1,045	681	414	228	186	294	1,509	888	319	18	283	926	1,245	284	11	11
1933 ²	1,259	604	655	386	269	199	1,720	1,049	359	41	272	1,083	1,442	345	28	28
Other reserve cities:																
1920.....	12,029	9,084	2,944	1,368	1,576	947	12,889	6,280	4,883	76	1,695	6,291	11,179	751	292	438
1930.....	8,379	3,517	1,486	2,031	1,442	1,442	13,029	5,837	5,202	152	1,888	6,042	11,244	771	75	402
1931.....	10,598	6,542	3,746	1,844	1,902	751	10,889	4,949	4,450	169	1,316	5,121	9,576	652	337	362
1932.....	9,489	5,542	3,948	2,234	1,714	1,240	10,375	4,414	4,217	211	1,436	4,606	8,327	649	115	322
1933 ²	8,898	4,553	4,344	2,823	1,522	995	9,932	4,460	3,663	393	1,426	4,722	8,375	857	16	290
Country banks:																
1920.....	13,375	8,996	4,439	1,267	3,172	908	13,040	5,938	6,590	39	452	5,902	12,492	627	367	7,901
1930.....	12,519	8,001	4,519	1,159	3,359	975	12,351	5,332	6,538	63	428	5,280	11,819	595	244	7,588
1931.....	10,999	6,608	4,392	1,418	2,974	685	10,417	4,379	5,641	61	336	4,351	9,992	441	441	6,943
1932.....	9,607	5,493	4,114	1,474	2,640	767	9,108	3,696	5,076	72	283	3,641	8,717	418	418	6,446
1933 ²	8,098	4,223	3,845	1,683	2,162	742	8,230	3,471	4,365	111	283	3,446	8,711	577	123	6,448

All member banks by districts:	1,948	1,107	841	428	413	221	376	2,040	1,009	797	26	208	1,014	1,811	120	19	367
Boston—	1,702	1,014	778	433	345	141	355	1,919	950	694	76	199	997	1,691	103	5	355
1933 ¹																	
New York—	10,045	5,066	4,979	2,966	2,013	208	2,177	10,334	5,780	2,425	198	1,981	6,992	9,417	1,255	120	827
1932	9,415	4,725	4,690	2,781	1,999	199	2,083	9,625	5,651	2,101	469	1,404	6,417	8,517	1,026	69	768
1933 ¹																	
Philadelphia—	2,355	1,313	1,043	410	633	188	534	2,209	934	1,008	38	228	972	1,980	123	85	683
1932	2,081	1,061	1,020	464	556	122	471	2,008	837	939	64	168	869	1,807	127	23	666
1933 ¹																	
Cleveland—	2,649	1,538	1,105	591	514	160	523	2,539	1,020	1,243	33	243	1,111	2,355	147	86	630
1932	2,069	1,083	1,065	673	392	133	449	2,111	894	967	62	158	927	1,924	172	10	544
1933 ¹																	
Richmond—	906	579	387	201	186	107	182	982	405	455	15	107	420	874	53	41	392
1932	936	489	447	282	186	107	171	1,054	468	435	26	125	495	930	95	6	373
1933 ¹																	
Atlanta—	845	516	329	178	151	119	166	862	357	357	45	104	364	721	49	48	323
1932	781	423	353	238	120	115	151	861	356	315	50	109	395	710	64	9	309
1933 ¹																	
Chicago—	2,907	1,851	1,056	512	544	453	507	3,452	1,667	1,373	37	404	1,691	3,064	410	50	792
1932	2,479	1,208	1,271	779	492	350	416	3,135	1,742	918	73	401	1,792	2,710	491	7	585
1933 ¹																	
St. Louis—	887	468	418	189	230	137	183	960	447	386	7	119	454	839	62	19	429
1932	792	352	411	226	184	100	132	905	456	305	21	123	481	786	97	4	362
1933 ¹																	
Minneapolis—	638	353	304	110	194	119	104	738	280	376	3	74	276	652	38	14	545
1932	631	299	332	166	166	110	99	741	315	327	5	94	324	651	60	2	502
1933 ¹																	
Kansas City—	870	441	429	214	215	237	147	1,072	556	320	8	189	559	878	69	13	785
1932	849	365	484	284	200	202	143	1,085	581	295	13	196	620	916	107	1	708
1933 ¹																	
Dallas—	647	402	245	141	104	149	139	736	422	191	20	103	420	612	47	9	584
1932	647	348	299	197	102	168	128	832	474	180	31	138	439	679	93	1	537
1933 ¹																	
San Francisco—	2,699	1,570	1,129	601	528	256	397	2,794	901	1,618	45	230	921	2,538	139	42	449
1932	2,717	1,486	1,231	720	510	221	394	2,904	1,027	1,609	77	192	1,016	2,625	183	5	372
1933 ¹																	

¹ Includes rediscounts and overdrafts; excludes acceptances of other banks and bills of exchange sold with indorsement.

² Does not include items with Federal reserve banks in process of collection or amounts due from foreign banks on own foreign branches.

³ Includes reserves for dividends, contingencies, etc., but excludes, beginning 1926, reserves for interest, taxes, and other expenses accrued and unpaid.

⁴ Includes certified and cashiers' or treasurers' checks, and, beginning 1929, letters of credit and travelers' checks sold for cash.

⁵ Includes postal-savings deposits, except that such deposits of State bank members are included with demand deposits for 1915.

⁶ Includes amounts due to Federal reserve banks, foreign banks, and other banks and bankers; also amounts due to own foreign branches beginning 1927.

⁷ Deposits subject to reserve requirements.

⁸ Less than \$500,000.

⁹ Licensed banks only.

Source: Federal Reserve Board.

No. 241.—ALL MEMBER BANKS OF FEDERAL RESERVE SYSTEM: NUMBER, CAPITAL AND SURPLUS, AND TOTAL RESOURCES

NOTE—All national banks, except those in Alaska and Hawaii, are members of the system

Date	Number of banks			Capital and surplus (thou- sands of dollars)			Total resources (thousands of dollars)		
	All mem- ber banks	Nat- ional banks	State mem- ber banks	All member banks	National banks	State member banks	All member banks	National banks	State member banks
Dec 31, 1915.....	7,631	7,600	31	1,828,679	1,792,509	36,170	13,740,825	13,461,185	279,640
Dec 31, 1918.....	8,692	7,762	930	2,713,630	1,953,840	759,790	28,245,710	20,535,553	7,710,157
Dec 31, 1919.....	9,066	7,885	1,181	2,969,560	2,078,359	891,201	33,816,044	23,076,045	10,739,996
Dec 23, 1920.....	9,606	8,125	1,481	3,325,962	2,290,939	1,035,023	33,079,016	22,739,045	10,289,971
Dec 31, 1921.....	9,779	8,165	1,614	3,425,296	2,314,633	1,110,663	33,114,136	19,935,224	10,178,912
Dec 31, 1922.....	9,859	8,220	1,639	3,566,681	2,391,275	1,175,406	33,882,571	21,965,554	11,917,017
Dec 31, 1923.....	9,774	8,179	1,595	3,614,373	2,392,784	1,251,589	35,238,606	22,395,303	12,843,303
Dec 31, 1924.....	9,587	8,043	1,544	3,744,967	2,422,256	1,322,711	38,986,867	24,368,991	14,617,876
Dec 31, 1925.....	9,489	8,048	1,441	3,937,999	2,644,180	1,393,819	41,425,295	25,839,450	15,585,845
Dec 31, 1926.....	9,260	7,906	1,354	4,158,796	2,626,064	1,532,732	42,029,644	25,669,069	16,360,575
Dec 31, 1927.....	9,034	7,759	1,275	4,461,800	2,841,192	1,620,608	44,885,140	28,148,557	16,736,583
Dec 31, 1928.....	8,837	7,629	1,208	4,914,932	3,104,700	1,810,232	48,935,686	30,573,457	18,362,189
Dec 31, 1929.....	8,522	7,403	1,119	5,621,725	3,247,371	2,374,354	48,843,078	28,839,582	20,003,496
Dec 31, 1930.....	8,052	7,033	1,019	5,437,242	3,265,036	2,222,206	47,057,891	28,753,832	18,304,059
Dec 31, 1931.....	7,246	6,368	878	5,023,558	2,997,573	2,025,985	39,688,322	24,618,214	15,070,108
Dec 31, 1932.....	6,816	6,011	805	4,558,119	2,802,274	1,755,845	36,259,926	23,268,936	12,990,990
Dec 30, 1933 ¹	6,011	5,154	857	4,165,564	2,463,463	1,702,101	33,876,326	21,703,868	12,172,461

¹ Licensed banks only

No. 242.—ALL MEMBER BANKS: CLASSIFICATION OF LOANS AND INVESTMENTS ON DECEMBER 31

[All figures, except number of banks, in millions of dollars Figures for 1933 are for licensed banks only]

	1930	1931	1932	1933	1933				
					Central reserve city banks	Other reserve city banks	Coun- try banks	Nation- al banks	State mem- ber banks
Loans and investments, total.....	34,860	30,575	27,489	25,220	8,254	8,898	8,068	15,941	8,278
Loans, total ¹	23,870	19,261	15,204	12,833	4,057	4,553	4,223	8,068	4,747
Loans to customers, total ²	21,637	18,359	14,349	11,602	3,088	4,353	4,161	7,552	4,050
To banks.....	631	790	444	287	169	80	38	185	99
On securities (exclusive of loans to banks) ³	7,942	6,290	4,848	3,772	1,274	1,390	1,108	2,384	1,388
Real estate loans, total.....	3,234	3,038	2,862	2,359	177	1,121	1,061	1,335	1,024
On farm land.....	387	359	356	318	2	120	196	259	59
On other real estate.....	2,847	2,678	2,505	2,041	175	1,001	865	1,076	965
All other (including over- drafts).....	9,831	8,242	6,195	5,184	1,467	1,762	1,955	3,645	1,539
Open market loans, total ³	2,233	901	855	1,231	970	200	62	534	697
Acceptances and commer- cial paper purchased.....	736	327	498	391	245	106	40	219	172
Loans to brokers in New York ⁴	1,498	575	357	840	724	94	22	315	525
Investments, total.....	10,989	11,314	12,265	12,386	4,197	4,344	3,845	7,855	4,531
U. S. Government securities.....	4,125	5,319	6,540	7,254	2,749	2,823	1,683	4,462	2,792
Other securities, total.....	6,864	5,996	5,726	5,132	1,448	1,522	2,162	3,393	1,739
Domestic.....	4,931	4,353	4,273	3,828	966	1,115	1,747	2,662	1,166
Bonds.....	1,218	1,102	1,003	991	386	333	271	496	494
All other.....	715	540	450	313	96	74	144	235	79
Foreign.....									
Number of banks.....	8,052	7,246	6,816	6,011	64	299	5,648	5,154	857

¹ Excludes acceptances of other banks and bills of exchange or drafts sold with endorsement.

² Except loans to broker customers in New York, made by New York City banks

³ Includes loans to broker customers in New York, made by New York City banks

⁴ Loans on securities to brokers and dealers in securities at New York City

Source of Tables 241 and 242. Federal Reserve Board.

No. 243.—ALL MEMBER BANKS OF THE FEDERAL RESERVE SYSTEM: EARNINGS, EXPENSES, AND DIVIDENDS

[All figures, except ratios, in millions and tenths of millions of dollars]

	All member banks							1932	
	1923	1925	1927	1929	1930	1931	1932	National banks	State members banks
Loans and investments ¹	26,207 0	29,673 9	32,756 0	35,727.1	35,395 4	33,431 8	28,522.5	17,818 6	10,703.9
Loans ¹	18,532 0	20,809 1	23,006 0	25,614.7	25,018 2	21,732 3	16,743 9	10,475 5	6,268 4
Investments ¹	7,675 0	8,864 8	9,749 9	10,112 5	10,377.2	11,699 5	11,778 6	7,343 1	4,435.5
Capital funds ^{1,2}	4,380 1	4,589 3	5,162 7	6,360.3	6,722.8	6,395 9	5,660 1	3,317 2	2,343 0
Gross earnings, total ³	1,719 4	1,918 1	2,120 3	2,474 1	2,228 8	1,911 5	1,553 6	998 1	555.5
Interest earned.....	1,493 8	1,615 6	1,749.0	2,068 9	1,857 5	1,581 9	1,325 5	870.4	455.1
Expenses, total.....	1,232 7	1,367 3	1,515.7	1,683.7	1,604.3	1,335 4	1,143 4	748 6	394 8
Interest paid.....	590 1	609 1	737 6	823 5	771.0	600 0	473 1	319 5	153 6
Net earnings.....	486 7	550 8	604 6	790 4	624.4	576 1	410 2	249 5	160 7
Net losses.....	149 8	131 3	157 6	233 9	317.9	563 9	665 1	414 4	250 7
Net profits.....	336 9	419 5	447 0	556 5	306.5	12 3	⁴ 264.9	⁴ 164.9	⁴ 90 0
Dividends declared.....	257.9	272 7	312.7	408 6	372.0	335.8	245.1	135.1	110 0
Ratios.....									
Loans and investments per \$1 of capital funds.....	\$5.98	\$6.47	\$6.34	\$5.62	\$5.26	\$5.23	\$5.04	\$5.37	\$4.57
Net profit per \$100 of loans and investments.....	\$1.29	\$1.41	\$1.36	\$1.56	\$0.87	\$0.04	⁴ \$0.89	⁴ \$0.93	⁴ \$0.84
Net profit per \$100 of capital funds.....	\$7 69	\$9 14	\$8 66	\$8 75	\$4.56	\$0.20	⁴ \$4.50	⁴ \$4.97	⁴ \$3.84

Figures are averages of amounts for call dates during the year
Capital, surplus, and undivided profits, including reserves for dividends and contingencies and, for 1923 also reserves for taxes, interest, and other expenses accrued.

³ Prior to 1932, profits on securities sold were included in gross earnings; in 1932 such profits were deducted from losses.

⁴ Net loss.

No. 244.—ALL REPORTING BANKS: NUMBER, LOANS, INVESTMENTS, AND DEPOSITS OF MEMBER AND NONMEMBER BANKS, CONTINENTAL UNITED STATES

NOTE.—All money figures in millions of dollars. Data include national banks, State commercial banks and trust companies, savings banks, and all private banks under State supervision

Date ¹	Number of banks			Loans			Investments			Deposits ²		
	All banks	Mem-ber banks	Non-mem-ber banks	All banks	Mem-ber banks	Non-mem-ber banks	All banks	Mem-ber banks	Non-mem-ber banks	All banks	Mem-ber banks	Non-mem-ber banks
1924—June 30..	28,996	9,650	19,346	31,541	19,204	12,337	13,639	7,963	5,674	43,405	25,711	17,694
Dec 31..	28,806	9,587	19,219	32,458	19,933	12,525	14,724	8,813	5,911	45,835	27,836	17,999
1925—June 30..	28,479	9,538	18,941	33,882	20,655	13,227	14,948	8,863	6,085	47,612	28,440	19,172
Dec 31..	28,257	9,489	18,768	35,658	21,996	13,662	14,945	8,888	6,057	49,224	30,029	19,195
1926—June 30..	27,854	9,375	18,479	36,176	22,060	14,114	15,386	9,123	6,265	49,733	29,781	19,952
Dec 31..	27,367	9,260	18,107	36,777	22,652	14,125	15,246	8,990	6,256	50,155	30,474	19,681
1927—June 30..	26,765	9,099	17,666	37,378	22,938	14,440	16,373	9,818	6,555	51,662	31,269	20,393
Dec 31..	26,416	9,034	17,382	38,426	24,886	14,539	17,024	10,361	6,664	52,909	32,063	20,846
1928—June 30..	25,941	8,929	17,012	39,483	24,303	15,180	17,782	10,758	7,024	53,398	32,133	21,265
Dec 31..	25,576	8,837	16,739	40,782	25,155	15,627	17,484	10,529	6,955	55,766	34,826	21,940
1929—June 30..	25,110	8,707	16,403	41,531	25,658	15,873	16,943	10,522	6,891	53,852	32,284	21,567
Dec 31..	24,630	8,522	16,108	41,918	26,150	15,768	16,499	9,781	6,715	55,289	33,865	21,424
1930—June 30..	23,852	8,315	15,537	40,638	25,214	15,424	17,471	10,442	7,029	54,964	33,690	21,264
Dec 31..	22,769	8,052	14,717	38,135	23,870	14,264	15,074	10,989	7,085	53,039	32,560	20,479
1931—June 30..	21,903	7,732	14,171	35,384	21,816	13,568	19,637	12,106	7,331	51,782	31,566	20,216
Dec 31..	19,966	7,246	12,720	31,305	19,261	12,045	18,999	11,314	7,084	45,821	27,432	18,389
1932—June 30..	19,046	6,980	12,066	27,834	16,587	11,247	18,237	11,414	6,823	41,963	24,755	17,208
Dec 31..	18,390	6,816	11,574	26,063	15,204	10,859	18,833	12,265	6,817	41,643	24,803	16,840
1933—June 30 ³ ..	14,530	5,606	8,924	22,215	12,858	9,357	17,874	11,928	5,946	38,011	23,338	14,673
Dec 31 ³ ..	15,212	6,011	9,201	22,077	12,833	9,244	18,400	12,386	6,014	38,646	23,771	14,875

¹ Date of reports of member banks, data for nonmember banks are from reports of nearest available date.

² Exclusive of interbank deposits. Includes certified and officers' or treasurers' checks and letters of credit and travelers' checks sold for cash.

³ Licensed banks only (banks operating on an unrestricted basis).

Source of Tables 243 and 244 Federal Reserve Board

No. 245.—ALL REPORTING BANKS: NUMBER, RESOURCES, CAPITAL AND SURPLUS, AND DEPOSITS, ON OR ABOUT JUNE 30

NOTE.—See headnote, Table 246

[All figures, except number of banks, in millions and tenths of millions of dollars]

Year	Number of banks	Total resources	Capital and surplus	Demand and time deposits ¹	Year	Number of banks	Total resources	Capital and surplus	Demand and time deposits ¹
1890 (revised)	8,201	6,357 6	1,416 3	4,072 5	1923	30,178	54,034 9	5,851 9	39,983 6
1895	9,818	7,609 5	1,621 3	4,921 2	1924	29,348	57,144.7	6,081 6	42,908.8
1900	10,382	10,785 8	1,673 1	7,238 9	1925	28,841	62,057 0	6,343 0	46,715 2
1905	16,410	16,918 2	2,516 7	11,350 7	1926	28,146	64,893 4	6,745 3	48,826 6
1910	23,095	22,450 3	3,427.8	14,963 7	1927	27,061	68,132.6	7,141 0	51,062 1
1915	27,062	27,804 1	3,895 8	18,965 7	1928	26,213	71,574.3	7,671 1	53,244.7
1918	28,880	40,726 4	4,386 3	27,715 5	1929	25,330	72,172 5	8,408 7	53,157 1
1919	29,123	47,615 4	4,619 4	32,629 3	1930	24,079	74,020 1	8,858 4	53,681 1
1920	30,139	53,079 1	5,113 0	37,268 1	1931	22,071	70,209 1	8,462.8	50,435 6
1921	30,812	49,671 4	5,445 0	34,790.9	1932	19,163	57,245 1	7,375 9	41,180 0
1922	30,389	50,425 4	5,641 4	37,143 5	1933 ²	14,624	51,801 9	6,270 9	36,676 6

¹ Exclusive of interbank demand deposits and U S deposits For banks other than national, figures prior to 1931 include in addition to demand and time deposits shown in the original reports, a certain amount of deposits not classified as to demand and time See Table 254 and also headnote Table 246

² Licensed banks (banks operating on an unrestricted basis)

Source Comptroller of the Currency, Treasury Department

No. 246.—ALL REPORTING BANKS: NUMBER, RESOURCES, CAPITAL AND SURPLUS, AND DEPOSITS FOR EACH CLASS OF BANKS

NOTE.—Banks in Alaska, Hawan, Puerto Rico, and Philippine Islands are included. Data for national banks and in recent years for other classes are as of June 30 or about June 30 In earlier years reports for banks other than national were of various dates Figures for private banks, which include only those under State supervision and others voluntarily reporting, except for 1880, and for other banks except national for earlier years, especially 1875, 1880, and 1885, are incomplete Prior to 1910, figures for State banks include stock savings banks and loan and trust companies in a number of States, and in some instances private banks Deposits exclude interbank demand deposits and U. S. deposits, they also exclude dividends unpaid and, beginning 1910, certified and cashiers' checks, items at one time included in original figures for demand deposits, they include postal savings

[All figures, except number of banks, in millions and tenths of millions of dollars]

Year	Number of banks	Total resources	Capital and surplus	Demand and time deposits ¹	Number of banks	Total resources	Capital and surplus	Demand and time deposits ¹
National banks				State (commercial) banks				
1830					329		² 110.2	40 8
1840					901	657 7	² 358.4	75 7
1850					824	532 3	² 217.3	109 6
1860					1,562	999 9	² 421.9	253 8
1865	1,294	1,126 5	357 1	398 4	349	³ 231 0	² 71 2	⁴ 60 0
1870	1,612	1,565 8	518 9	542.3	325	³ 215.1	² 86.5	³ 55 9
1875	2,076	1,913.2	634 7	686 5	551	272.3	75 9	165 9
1880	2,076	2,035 5	574 0	833 7	620	354 9	109.6	208 8
1885	2,689	2,421 9	672 8	1,106.4	975	553.6	155.9	344 3
1890 ⁴	3,484	3,051 8	854 7	1,521 7	2,289	584 3	245 0	562 6
1895	3,715	3,470 6	906 0	1,736 0	3,774	1,147 5	324 5	712 4
1900	3,732	4,944 2	877.8	2,458.1	4,369	1,759 8	328.4	1,266.7
1905	5,668	7,327 8	1,205 0	3,783 7	7,794	3,190 9	534.2	2,865 2
1910	7,145	9,896 6	1,634 4	5,070 5	12,166	3,695 0	623 4	2,675.4
1915	7,605	11,795 7	1,790 6	6,426.2	14,598	4,399 6	725 1	3,231.0
1920	8,030	23,411 3	2,210 6	13,671 8	18,195	14,009 8	1,447 2	10,827 1
1921	8,154	20,517.9	2,300 1	12,373 4	⁵ 18,875	14,199.1	1,642 9	10,664.4
1922	8,249	20,706 0	2,356 0	13,229.4	18,232	13,064.4	1,575 4	10,097.9
1923	8,241	21,511 8	2,399 5	14,008 7	18,043	14,162 9	1,612 9	11,120 6
1924	8,085	22,565 9	2,411.6	14,318.8	17,436	14,816 0	1,664 4	11,745 4
1925	8,072	24,350.9	2,488.4	16,320 7	16,983	15,979 2	1,706 7	12,672 8
1926	7,978	25,315 6	2,611.8	17,057.1	16,493	16,579.7	1,789 3	13,145.8
1927	7,796	26,581 9	2,731.1	18,202.8	15,690	16,565 0	1,814 0	12,923.7
1928	7,691	28,508 2	3,013.6	19,300.4	15,078	16,291 0	1,788 7	12,725.1
1929	7,636	27,440 2	3,106 4	18,821 4	14,437	16,824 3	1,960 3	12,816 5
1930	7,252	26,116 5	3,335 3	19,478 3	13,582	15,269 9	1,827 8	11,628 8
1931	6,805	27,642 7	3,181 5	18,685 5	12,269	13,110 1	1,622 0	9,856 4
1932	6,150	22,367.7	2,828 4	15,206 3	10,455	9,478 8	1,332 2	6,646 5
1933 ⁶	4,902	20,860 5	2,456.2	14,111 0	7,714	6,552 1	891.8	4,564.7

For footnotes see p. 235.

No. 246.—ALL REPORTING BANKS: NUMBER, RESOURCES, ETC., FOR EACH CLASS OF BANKS—Continued

Year	Num- ber of banks	Total resources	Capital and surplus	Demand and time deposits ¹	Num- ber of banks	Total resources	Capital and sur- plus	Demand and time deposits ¹
	Loan and trust companies				Private banks			
1875.....	35	122 9	28 8	85.0				
1880.....	30	126 9	24.7	90.0	2,802		776.1	182.7
1885.....	40	248 4	37.1	188.4				
1890 ⁴	149	503 8	105.3	336.5	1,358	165 2	51.1	101 6
1895.....	242	807 1	173 1	546.7	1,070	130.6	40.4	81.8
1900.....	290	1,330 2	239 6	1,028.2	980	126 8	22 6	96 2
1905.....	683	2,866 0	524 4	1,980.9	1,028	165 2	29.4	127.9
1910.....	1,091	4,216 9	800 1	3,026.0	934	160 0	25.4	124 0
1915.....	1,664	5,873 1	927 5	4,177.8	1,036	177.7	29.0	134 1
1920.....	1,408	8,320 0	985 7	6,061.9	799	212 6	26.4	169.3
1921.....	1,474	8,181 1	1,053.5	5,601.5	708	175 3	24.0	133 7
1922.....	1,550	8,533 9	1,095 0	6,490.5	673	185 5	25.7	145 2
1923.....	1,643	9,499 3	1,198 1	6,825.3	604	165 5	22.4	131 4
1924.....	1,664	10,323 8	1,293 3	7,779.2	560	150 9	19.8	120 5
1925.....	1,680	11,563 5	1,366.7	8,530.4	523	155 2	19.5	126.2
1926.....	1,656	12,205 2	1,487 2	8,893.4	495	174.2	21.0	131 2
1927.....	1,647	13,994 8	1,678 0	10,074.2	467	164 1	19.3	123.2
1928.....	1,633	15,230 9	1,889 3	10,574.5	404	148.8	16.6	110 6
1929.....	1,608	16,155 2	2,395 8	10,959.5	391	156 5	14.4	107.2
1930.....	1,564	17,702 7	2,679 7	11,688.9	361	114 6	15.7	79 8
1931.....	1,469	16,861 0	2,588 0	10,650.5	284	82 1	12.0	59 1
1932.....	1,235	13,118 8	2,238 0	8,273.7	227	55 4	9.6	40 4
1933 ⁵	1,029	11,996 3	1,803.3	7,462.6	184	46 9	8 2	29 9
	Mutual savings banks ^{8 9}				Stock savings banks ⁸			
1880.....	629	881 7	51.2	819 1				
1885.....	646	1,203 0	88 6	1,095 2				
1890.....	637	1,486 6	126 1	1,336 0	284	256 0	34.1	214.0
1895.....	664	1,756 7	136 0	1,597.3	353	297 0	41.3	247 0
1900.....	652	2,336 5	175 8	2,134.5	350	288 4	29.1	255 2
1905.....	668	2,967 3	184 6	2,736 5	599	400 9	39.2	356 5
1910.....	638	3,652 4	249 2	3,360 6	1,121	829 4	95.3	707.2
1915.....	630	4,319 4	289 7	3,950 6	1,529	1,238 7	133 9	1,046 0
1920.....	620	5,019 0	334 5	5,186.8	1,087	1,506 4	108 6	1,351 2
1921.....	623	6,040 1	366 4	5,575.1	978	1,557 9	59.1	442 8
1922.....	619	6,351 6	468 2	5,778 9	1,066	1,583 9	121.0	1,401 7
1923.....	618	6,904 8	496 5	6,288 6	1,029	1,790 7	122 5	1,609 0
1924.....	613	7,364 7	558.8	6,693 2	990	1,923 4	130 7	1,746 5
1925.....	611	7,913 0	633 2	7,147.0	972	2,093 1	128 7	1,918 2
1926.....	620	8,422 3	703 0	7,577.5	904	2,196 4	133 0	2,021 5
1927.....	618	9,011 2	782 9	8,076 5	843	1,815 5	115 7	1,661 7
1928.....	616	9,683 2	851 6	8,672 8	791	1,707 2	111 4	1,561.2
1929.....	611	10,006 5	823 7	9,003 1	747	1,589 8	103.0	1,450 2
1930.....	606	10,295 3	898 9	9,215.6	714	1,521 1	101 0	1,389.2
1931.....	600	11,191 8	968 1	10,034 8	654	1,321 4	91 3	1,199 2
1932.....	594	11,134 1	890 0	10,038 8	502	1,090 2	77 7	974 3
1933 ⁵	576	10,967 1	1,054 4	9,713 0	219	878 9	57 0	795 4

¹ See footnote 1, Table 245² Capital only.³ Estimated⁴ Figures for State banks and private banks revised⁵ In 1921 returns from California, which in 1920 had shown 106 stock savings banks, included all banks except 1 mutual savings bank with State banks, which accounts for part of the increase in State banks and the greater part of the decrease in stock savings banks. In subsequent years returns showed separate statistics for each class of banks.⁶ Licensed banks (banks operating on an unrestricted basis)⁷ Average for all private banks for the 6 months ended May 31, 1880, as reported to the Commissioner of Internal Revenue for taxation purposes⁸ Stock savings banks included with mutual savings banks or State banks in 1880 and 1885. For deposits in savings banks for earlier years, see Table 253, p. 244⁹ Figures given under "Capital and surplus" are surplus funds only.

Source: Comptroller of the Currency, Treasury Department

No. 247.—ALL REPORTING BANKS:¹ SUMMARY, BY STATES, JUNE 30, 1933

[All figures, except number of banks, in thousands of dollars]

Division and State	Number of banks	Total resources or liabilities	Loans and discounts, including rediscounts and overdrafts	Investments	Reserve with Federal reserve banks or other reserve agents	Capital, surplus, and net undivided profits	Demand deposits	Time deposits (including postal savings)
Grand total	14, 624	51, 301, 908	22, 387, 818	17, 930, 663	2, 761, 945	6, 917, 108	15, 258, 765	21, 417, 811
Continental U. S.	14, 565	50, 986, 698	22, 220, 296	17, 875, 006	2, 759, 868	6, 871, 785	15, 172, 606	21, 307, 256
New England	919	6, 721, 212	3, 333, 725	2, 441, 317	215, 782	771, 900	1, 152, 360	4, 300, 453
Maine	81	307, 388	125, 738	143, 390	7, 755	36, 869	36, 513	217, 827
New Hampshire	112	294, 403	119, 921	149, 401	2, 872	37, 493	27, 861	214, 859
Vermont	85	202, 096	107, 002	63, 241	1, 672	18, 956	15, 160	150, 024
Massachusetts	397	4, 108, 765	2, 054, 454	1, 440, 981	148, 171	457, 885	773, 691	2, 520, 004
Rhode Island	33	522, 967	219, 553	250, 070	19, 753	63, 702	90, 708	344, 124
Connecticut	211	1, 285, 593	707, 057	394, 234	35, 559	156, 995	208, 427	853, 615
Middle Atlantic	2, 268	25, 294, 920	10, 901, 188	9, 362, 495	1, 316, 678	3, 650, 048	7, 381, 911	10, 095, 269
New York	869	18, 454, 273	8, 173, 603	6, 555, 633	1, 000, 771	2, 554, 728	5, 604, 351	7, 056, 277
New Jersey	398	2, 013, 782	924, 935	729, 878	59, 502	252, 196	487, 785	1, 087, 525
Pennsylvania	1, 001	4, 826, 865	1, 802, 660	2, 076, 984	256, 405	843, 124	1, 299, 775	1, 951, 467
East North Central	2, 652	6, 180, 988	2, 618, 214	1, 622, 363	501, 239	772, 212	2, 320, 424	1, 986, 549
Ohio	619	1, 635, 722	804, 670	471, 391	118, 654	211, 658	497, 910	736, 598
Indiana	492	626, 772	220, 937	146, 194	13, 886	75, 432	228, 602	157, 645
Illinois	845	2, 652, 267	1, 008, 578	834, 307	260, 546	322, 101	1, 197, 718	587, 957
Michigan	295	689, 739	315, 389	205, 849	49, 617	87, 792	218, 546	265, 911
Wisconsin	401	576, 438	268, 631	164, 622	58, 536	75, 229	177, 639	238, 408
West North Central	3, 314	2, 881, 464	1, 089, 851	973, 623	97, 616	355, 158	1, 182, 622	906, 229
Minnesota	668	790, 386	303, 105	281, 038	28, 739	32, 777	244, 391	341, 471
Iowa	438	329, 635	139, 070	96, 309	10, 131	38, 045	126, 688	121, 838
Missouri	646	1, 011, 304	360, 732	370, 600	28, 681	132, 867	494, 424	241, 632
North Dakota	193	-68, 384	29, 547	20, 933	2, 156	9, 677	20, 794	31, 251
South Dakota	212	83, 407	32, 663	29, 293	2, 456	11, 408	32, 237	28, 285
Nebraska	384	236, 687	90, 603	75, 870	13, 272	29, 654	98, 201	62, 054
Kansas	773	341, 211	133, 531	99, 580	12, 081	50, 730	165, 867	79, 698
South Atlantic	1, 399	2, 608, 172	1, 069, 960	901, 427	173, 828	399, 418	837, 874	1, 008, 877
Delaware	47	180, 545	77, 243	76, 531	8, 120	40, 395	62, 626	62, 350
Maryland	135	591, 271	195, 714	294, 046	36, 311	72, 258	140, 201	312, 022
Dist. of Columbia	20	257, 694	89, 057	90, 000	16, 970	35, 500	109, 587	83, 737
Virginia	327	478, 708	254, 750	111, 772	13, 936	76, 067	130, 311	200, 023
West Virginia	168	245, 863	136, 842	53, 100	20, 984	43, 170	76, 311	101, 070
North Carolina	163	228, 981	102, 336	53, 540	39, 436	32, 370	92, 666	56, 473
South Carolina	104	64, 420	22, 208	18, 453	3, 177	9, 874	28, 461	19, 355
Georgia	292	338, 935	148, 477	86, 121	26, 129	59, 117	107, 586	104, 262
Florida	143	221, 780	43, 333	117, 864	8, 765	30, 267	89, 535	69, 085
East South Central	1, 169	1, 091, 453	538, 083	263, 247	34, 243	170, 644	357, 214	343, 901
Kentucky	422	392, 288	206, 955	100, 182	8, 187	60, 207	126, 233	125, 685
Tennessee	332	349, 586	171, 316	67, 163	13, 778	48, 721	110, 987	105, 503
Alabama	203	211, 268	98, 367	57, 299	8, 575	43, 700	66, 963	64, 055
Mississippi	212	138, 311	61, 445	38, 603	3, 703	18, 016	53, 031	48, 658
West South Central	1, 694	1, 680, 642	675, 398	481, 807	139, 828	242, 146	742, 740	391, 295
Arkansas	194	116, 770	45, 602	33, 307	20, 029	18, 567	44, 435	35, 527
Louisiana	139	283, 199	127, 492	69, 492	19, 608	33, 420	98, 442	91, 278
Oklahoma	404	321, 195	108, 799	119, 907	20, 145	42, 482	150, 835	84, 236
Texas	957	959, 478	393, 505	259, 101	80, 046	147, 677	449, 028	180, 254
Mountain	564	675, 861	225, 077	258, 936	47, 282	80, 252	254, 905	244, 984
Montana	124	109, 308	31, 057	45, 609	13, 913	13, 897	41, 175	43, 127
Idaho	86	52, 846	15, 478	20, 753	1, 612	6, 050	22, 551	18, 142
Wyoming	64	49, 895	21, 833	13, 315	2, 986	6, 853	19, 920	17, 866
Colorado	149	241, 536	68, 053	99, 523	15, 354	27, 080	96, 674	82, 620
New Mexico	42	26, 237	9, 213	9, 589	1, 688	3, 171	14, 802	5, 765
Arizona	19	52, 849	15, 427	22, 061	5, 714	6, 444	19, 765	22, 691
Utah	69	129, 464	60, 034	42, 177	4, 955	15, 534	32, 080	49, 702
Nevada	11	14, 226	3, 982	5, 909	1, 160	1, 223	7, 038	5, 051
Pacific	566	3, 871, 988	1, 768, 790	1, 369, 791	233, 472	430, 007	933, 656	2, 030, 219
Washington	183	356, 822	132, 865	143, 282	25, 659	44, 798	107, 523	148, 197
Oregon	108	207, 615	52, 252	102, 793	13, 804	21, 585	71, 585	85, 456
California	295	3, 307, 551	1, 583, 673	1, 123, 716	194, 009	363, 466	754, 548	1, 796, 566
Alaska	15	11, 995	3, 982	4, 865	-----	1, 689	3, 961	5, 406
Hawai	19	110, 389	57, 921	28, 903	77	19, 330	33, 783	45, 762
Puerto Rico	14	56, 133	35, 518	1, 886	-----	5, 817	15, 719	12, 115
Philippines	11	136, 693	70, 101	20, 003	2, 000	18, 487	32, 696	47, 272

¹ Licensed banks (banks operating on an unrestricted basis)

Source Comptroller of the Currency, Treasury Department.

No. 248.—ALL REPORTING BANKS: CLASSIFICATION OF LOANS AND INVESTMENTS AS OF JUNE 30

[All figures in millions and tenths of millions of dollars]

	1930	1931	1932	1933 ¹
Loans and discounts, total ²	40, 510. 1	35, 210. 5	28, 089. 9	22, 387. 8
Real estate loans, mortgages, deeds of trust, and other liens on real estate.....				
On farm land.....	409. 3	443. 5	507. 9	425. 6
On other real estate.....	10, 086. 4	9, 693. 4	9, 433. 8	9, 202. 0
Loans secured by U. S. Government and other securities (exclusive of loans to banks).....	11, 533. 0	9, 111. 3	6, 011. 1	4, 693. 5
Loans to banks.....	346. 4	368. 8	489. 8	316. 1
Commercial paper bought in open market, acceptances payable in United States, and notes, bills, and acceptances payable in foreign countries.....	844. 3	1, 058. 3	638. 7	497. 9
All other loans (including overdrafts).....	17, 340. 7	14, 535. 2	11, 008. 7	7, 252. 8
Investments, total.....	17, 944. 7	20, 060. 2	18, 223. 2	17, 930. 7
United States Government securities.....	3, 846. 9	5, 717. 6	6, 455. 6	7, 796. 0
State, county, and municipal bonds.....	1, 702. 1	2, 266. 0	2, 801. 8	2, 881. 1
Railroad and other public-service corporation bonds.....	3, 328. 3	3, 867. 6	4, 276. 1	3, 785. 6
Stock of Federal reserve banks and other corporations.....	484. 1	849. 3	735. 3	778. 7
Foreign government bonds and other foreign securities.....	673. 2	765. 2	580. 8	430. 3
Other bonds, notes, warrants, etc.....	7, 910. 1	6, 594. 5	3, 373. 8	2, 249. 9

¹ Licensed banks (banks operating on an unrestricted basis)² Includes rediscounts and overdrafts.

No. 249.—NATIONAL BANKS: PRINCIPAL RESOURCES AND LIABILITIES

NOTE.—All figures, except number of banks, in millions of dollars. Data include banks in Alaska and Hawaii. Loans and discounts include rediscounts and overdrafts, they exclude acceptances of other banks and bills of exchange or draft sold with indorsement beginning 1921. Undivided profits include prior to 1929, reserves for dividends, contingencies, etc., and prior to 1928, also reserves for taxes, interest, etc., accrued. Investments include securities borrowed prior to 1903, thereafter, figures represent securities owned. Deposits exclude interbank demand deposits and U. S. deposits, they also exclude dividends unpaid and, beginning 1910, certified and cashiers' checks outstanding, items at one time included in original figures for demand deposits, they include postal savings.

On or about June 30—	Number of banks	Loans and discounts	Investments	Capital, surplus, undivided profits	Demand and time deposits	Note circulation	On or about June 30—	Number of banks	Loans and discounts	Investments	Capital, surplus, undivided profits	Demand and time deposits	Note circulation
1865----	1, 294	362	407	380	398	131	1901----	4, 165	2, 981	886	1, 062	2, 942	319
1869----	1, 619	686	466	549	574	293	1902----	4, 535	3, 247	945	1, 184	3, 099	309
1870----	1, 612	719	453	562	542	291	1903----	4, 939	3, 442	1, 025	1, 286	3, 201	359
1871----	1, 723	789	456	594	602	308	1904----	5, 331	3, 622	1, 096	1, 349	3, 312	400
1872----	1, 853	872	480	626	619	327	1905----	5, 668	3, 930	1, 205	1, 407	3, 784	446
1873----	1, 988	926	445	662	641	339	1906----	6, 053	4, 237	1, 241	1, 494	4, 056	511
1874----	1, 983	926	451	676	623	339	1907----	6, 429	4, 604	1, 362	1, 608	4, 323	548
1875----	2, 076	973	443	687	686	318	1908----	6, 824	4, 640	1, 520	1, 672	4, 375	614
1876----	2, 091	934	427	679	641	294	1909----	6, 946	5, 061	1, 613	1, 748	4, 899	641
1877----	2, 078	902	431	656	636	290	1910----	7, 145	5, 456	1, 576	1, 857	5, 071	676
1878----	2, 036	835	460	629	622	300	1911----	7, 277	5, 634	1, 726	1, 940	5, 314	682
1879----	2, 048	836	715	615	649	307	1912----	7, 372	5, 974	1, 823	1, 990	5, 671	709
1880----	2, 076	995	451	624	834	318	1913----	7, 473	6, 162	1, 846	2, 053	5, 829	722
1881----	2, 115	1, 145	484	642	1, 032	312	1914----	7, 525	6, 446	1, 871	2, 058	6, 125	723
1882----	2, 239	1, 209	471	660	1, 067	309	1915----	7, 605	6, 665	2, 026	2, 105	6, 426	723
1883----	2, 417	1, 286	465	707	1, 043	312	1916----	7, 679	7, 769	2, 321	2, 103	7, 830	676
1884----	2, 625	1, 270	449	739	973	295	1917----	7, 804	8, 992	2, 662	2, 218	9, 321	660
1885----	2, 689	1, 258	432	725	1, 106	269	1918----	7, 705	10, 165	3, 337	2, 279	10, 006	682
1886----	2, 809	1, 399	407	760	1, 146	245	1919----	7, 785	11, 027	4, 811	2, 418	11, 865	677
1887----	3, 014	1, 560	329	806	1, 285	167	1920----	8, 030	13, 637	4, 051	2, 684	13, 672	688
1888----	3, 120	1, 628	356	842	1, 292	155	1921----	8, 154	11, 980	3, 922	2, 796	12, 373	704
1889----	3, 239	1, 779	323	875	1, 442	129	1922----	8, 249	11, 193	4, 518	2, 848	13, 229	726
1890----	3, 484	1, 934	311	935	1, 522	126	1923----	8, 541	11, 780	5, 032	2, 876	14, 006	720
1891----	3, 652	1, 964	309	988	1, 555	124	1924----	8, 085	11, 968	5, 107	2, 916	14, 819	730
1892----	3, 759	2, 128	347	1, 011	1, 753	141	1925----	8, 072	12, 596	5, 705	2, 970	16, 321	648
1893----	3, 807	2, 020	357	1, 029	1, 557	155	1926----	7, 978	13, 327	5, 842	3, 089	17, 057	651
1894----	3, 770	1, 944	435	1, 001	1, 678	172	1927----	7, 796	13, 854	6, 393	3, 240	18, 203	651
1895----	3, 715	2, 017	447	987	1, 736	179	1928----	7, 691	14, 927	7, 147	3, 571	19, 300	649
1896----	3, 689	1, 972	464	983	1, 668	199	1929----	7, 536	14, 811	6, 657	3, 594	18, 821	649
1897----	3, 610	1, 978	484	962	1, 770	197	1930----	7, 252	14, 897	6, 888	3, 881	19, 679	652
1898----	3, 582	2, 164	555	955	2, 023	190	1931----	6, 805	13, 185	7, 675	3, 625	18, 685	639
1899----	3, 583	2, 508	652	947	2, 522	199	1932----	6, 150	10, 286	7, 197	3, 131	15, 206	652
1900----	3, 732	2, 644	775	1, 013	2, 458	265	1933----	4, 902	8, 120	7, 372	2, 692	14, 111	730

¹ Licensed banks (banks operating on an unrestricted basis)

Source of Tables 248 and 249, Comptroller of the Currency, Treasury Department

No. 250.—NATIONAL BANKS: PRINCIPAL RESOURCES AND LIABILITIES AS OF DECEMBER 31

NOTE.—Data include banks in Alaska and Hawaii
[All figures in millions of dollars]

	1914	1918	1920	1922	1924	1925	1926	1927	1928
RESOURCES									
Total resources ¹	11,357	20,544	22,799	21,975	24,381	25,852	25,684	28,164	30,589
Loans and discounts ²	6,363	10,447	13,544	11,552	12,218	13,423	13,487	14,647	15,291
United States Government securities owned.....	760	2,771	1,991	2,622	2,558	2,490	2,283	2,748	3,009
Other bonds, stocks, securities, etc., owned.....	1,305	1,776	1,986	2,344	3,073	3,248	3,508	4,152	4,119
Reserve with Federal reserve banks.....	262	1,180	1,185	1,221	1,394	1,377	1,359	1,509	1,496
Due from banks ⁴	1,453	2,825	2,295	2,686	3,350	3,427	3,178	2,953	4,185
Cash in vault.....	735	522	494	392	410	390	353	361	388
LIABILITIES									
Capital stock.....	1,066	1,110	1,272	1,317	1,335	1,379	1,411	1,529	1,616
Surplus.....	727	845	1,020	1,076	1,089	1,167	1,217	1,314	1,490
Undivided profits ⁵					442	476	477	531	492
Reserves for dividends, contingencies, etc. ⁶	282	389	564	529					85
Reserves for interest, taxes, etc., accrued.....					61	59	61	76	67
Circulation outstanding.....	849	677	694	724	715	648	646	650	630
Due to banks ⁷	2,003	3,637	2,934	3,266	3,908	3,696	3,431	3,661	4,074
Demand deposits.....	4,934	8,991	9,501	9,529	10,326	11,112	10,730	11,230	11,751
Time deposits ⁷	1,207	2,474	3,632	4,319	5,581	6,047	6,533	7,808	8,307
United States deposits ⁸	72	313	212	304	153	193	138	169	186
Bills payable and rediscounts ⁹	132	1,381	2,343	512	237	526	530	481	785
1933¹⁰									
	1929	1930	1931	1932	All banks	Central reserve cities	Other reserve cities	Country banks	
RESOURCES									
Total resources ¹	28,882	28,800	24,662	23,311	21,747	5,176	8,489	8,083	
Loans and discounts ²	15,160	14,369	11,927	9,848	8,104	1,860	3,128	3,126	
United States Government securities owned.....	2,612	2,655	3,176	3,761	4,469	951	2,121	1,398	
Other bonds, stocks, securities, etc., owned.....	3,846	4,437	4,025	3,823	3,402	739	966	1,696	
Reserve with Federal reserve banks.....	1,348	1,460	1,138	1,626	1,747	664	620	463	
Due from banks ⁴	3,413	3,338	2,293	2,518	2,313	476	1,089	749	
Cash in vault.....	393	409	380	309	343	44	116	184	
LIABILITIES									
Capital stock.....	1,704	1,722	1,621	1,634	1,588	413	550	625	
Surplus.....	1,548	1,548	1,352	1,173	881	185	299	396	
Undivided profits—net.....	497	516	352	270	236	32	92	112	
Reserves for dividends, contingencies, etc. ⁶	92	109	171	167	197	91	77	29	
Reserves for interest, taxes, etc., accrued.....	72	64	53	46	45	20	15	10	
Circulation outstanding.....	646	643	627	780	779	64	276	439	
Due to banks ⁷	3,145	3,342	2,301	2,612	2,290	812	1,218	260	
Demand deposits.....	11,059	10,639	9,071	8,277	8,352	2,565	3,129	2,668	
Time deposits ⁷	8,434	8,727	7,610	7,377	6,393	587	2,448	3,359	
United States deposits ⁸	103	163	261	253	355	178	291	86	
Bills payable and rediscounts ⁹	546	256	555	349	82	-----	8	74	

¹ Includes unspecified items.

² Includes rediscounts and overdrafts.

³ Excludes acceptances of other banks and bills of exchange or drafts sold with indorsement beginning 1922.

⁴ Includes exchanges for clearing house and other checks on local banks and, beginning 1918, items with the Federal reserve banks in process of collection. The figure for 1914 includes \$584,000,000 due from approved reserve agents.

⁵ Reserves for dividends, contingencies, etc., included in undivided profits prior to 1928.

⁶ Includes certified and cashiers' checks, cash letters of credit and travelers' checks, and, beginning 1927, dividend checks outstanding.

⁷ Includes postal savings deposits.

⁸ Exclusive of postal savings.

⁹ Licensed banks (banks operating on an unrestricted basis). ¹⁰ Reserves for contingencies in 1932 and 1933.

Source: Comptroller of the Currency, Treasury Department.

No. 251—NATIONAL BANKS: SUMMARY, BY STATES, DECEMBER 31, 1933

NOTE.—All money figures in thousands of dollars. Figures include reserve cities in each State

Division and State	Number of banks	Total resources or liabilities	Loans and discounts (incl. rediscounts)*	Investments	Reserve with Federal Reserve banks	Capital, surplus, and net undivided profits	National bank circulation	Demand deposits	Time deposits (including postal savings)
Grand total.....	5,159	21,747,483	8,104,208	7,870,772	1,747,364	2,704,942	778,566	8,351,967	6,392,922
Continental U. S.	5,154	21,703,865	8,086,335	7,855,161	1,747,364	2,699,392	775,270	8,338,250	6,375,155
New England.....	329	1,932,151	805,574	631,253	133,686	264,352	47,911	771,555	526,171
Maine.....	40	114,174	37,361	45,282	14,197	14,254	3,778	30,261	59,777
New Hampshire.....	52	71,494	25,082	27,496	3,645	12,508	4,908	27,058	20,447
Vermont.....	40	50,090	21,866	19,498	2,500	8,675	3,808	10,373	24,814
Massachusetts.....	133	1,385,200	577,109	436,910	100,326	182,264	20,964	583,554	314,830
Rhode Island.....	10	48,782	21,481	20,362	1,825	10,417	4,070	16,681	14,732
Connecticut.....	54	262,411	118,675	80,705	11,193	36,234	10,383	103,628	91,562
Middle Atlantic.....	1,311	7,710,126	2,884,586	3,014,147	575,598	1,063,376	236,880	2,831,024	2,056,848
New York.....	444	4,614,489	1,717,495	1,706,814	418,620	613,365	108,301	2,031,445	793,783
New Jersey.....	225	706,145	281,789	286,955	30,543	87,077	28,227	205,834	342,292
Pennsylvania.....	642	2,389,492	885,302	1,020,378	126,435	362,934	100,352	692,745	920,773
East North Central.....	764	3,688,700	1,272,585	1,250,412	446,413	417,406	105,032	1,641,508	959,991
Ohio.....	227	728,493	289,179	266,565	40,701	100,650	38,057	284,903	239,346
Indiana.....	113	264,256	80,591	94,170	22,764	33,023	13,988	111,149	73,076
Illinois.....	263	1,911,126	616,083	593,065	321,770	191,562	22,718	947,460	392,537
Michigan.....	70	427,092	144,357	170,569	36,334	48,932	8,379	173,595	129,990
Wisconsin.....	91	355,733	142,375	126,043	24,844	43,239	21,910	124,401	125,042
West North Central.....	851	1,696,678	555,470	621,451	143,960	177,697	57,681	699,683	458,513
Minnesota.....	205	582,545	207,215	205,092	41,670	59,599	20,813	288,623	192,180
Iowa.....	106	167,592	55,707	57,955	15,280	18,438	6,909	71,761	43,541
Missouri.....	86	461,260	139,298	173,384	51,061	43,022	8,018	208,544	94,678
North Dakota.....	68	52,494	18,311	20,764	2,835	6,406	2,453	10,943	23,953
South Dakota.....	63	47,596	15,664	21,594	2,477	5,901	1,689	18,079	18,129
Nebraska.....	128	192,380	62,474	71,439	15,632	20,708	8,021	82,787	43,095
Kansas.....	195	192,611	56,901	71,223	15,005	23,625	9,778	92,646	42,937
South Atlantic.....	433	1,393,564	499,891	526,918	97,929	174,217	73,893	482,549	464,452
Delaware.....	15	20,830	8,872	8,978	698	4,952	1,155	4,978	8,797
Maryland.....	59	249,515	58,302	129,459	27,997	26,420	9,042	76,794	89,411
Dist. of Col.....	9	155,544	42,739	64,625	15,811	15,351	5,911	71,818	44,795
Virginia.....	129	310,974	151,249	89,255	16,387	43,357	19,667	88,568	124,380
West Virginia.....	69	130,468	63,045	35,889	6,906	19,557	9,085	43,555	49,481
North Carolina.....	40	69,298	28,429	18,652	5,099	11,450	4,189	30,904	18,909
South Carolina.....	16	40,992	11,861	14,672	2,828	5,124	2,566	18,317	9,903
Georgia.....	50	240,611	100,129	72,799	12,814	27,423	12,424	77,124	62,749
Florida.....	46	175,332	35,266	92,589	9,889	20,577	10,064	70,691	52,029
East South Central.....	254	678,670	285,417	205,702	45,515	92,564	40,814	230,051	205,802
Kentucky.....	92	177,135	76,372	58,362	11,621	23,070	10,095	65,285	54,882
Tennessee.....	69	267,153	113,098	75,532	17,554	31,966	16,190	85,655	81,980
Alabama.....	69	180,792	75,270	53,629	11,536	31,278	11,958	60,241	48,548
Mississippi.....	24	53,590	20,677	18,179	4,504	6,250	2,571	18,870	20,392
West South Central.....	734	1,485,671	505,410	494,532	131,582	176,735	71,871	650,969	311,909
Arkansas.....	46	63,507	22,613	23,991	5,643	8,660	3,631	22,358	23,138
Louisiana.....	26	211,403	87,682	60,650	16,056	20,123	8,633	78,524	57,005
Oklahoma.....	217	309,851	88,448	115,965	20,673	37,296	14,160	144,255	74,290
Texas.....	445	900,910	306,667	263,926	83,810	110,656	45,447	405,832	157,476
Mountain.....	225	456,762	115,309	192,595	38,321	46,245	18,727	192,684	151,942
Montana.....	47	69,304	15,078	31,979	5,552	7,785	2,084	28,097	26,833
Idaho.....	25	25,071	5,729	9,725	2,659	2,513	1,043	12,625	7,505
Wyoming.....	25	35,539	12,794	11,069	3,320	4,246	1,562	14,994	12,083
Colorado.....	74	210,600	49,602	90,132	18,169	20,175	8,230	86,423	68,713
New Mexico.....	25	27,511	7,682	10,461	2,657	2,981	1,407	15,804	5,943
Arizona.....	8	22,312	4,840	11,076	1,352	2,260	1,311	8,671	8,814
Utah.....	14	53,821	16,926	21,576	3,807	5,401	2,620	19,915	17,415
Nevada.....	7	12,604	2,758	6,577	805	884	470	6,255	4,636
Pacific.....	253	2,663,543	1,162,093	948,151	134,360	286,800	122,461	738,227	2,239,527
Washington.....	68	258,943	76,843	117,919	17,191	30,323	16,634	99,976	75,581
Oregon.....	51	183,273	45,508	91,908	12,902	16,017	9,063	65,783	74,776
California.....	134	2,221,327	1,039,742	738,324	104,267	240,460	96,764	572,468	1,089,170
New York City ³	10	3,619,903	1,338,387	1,246,398	372,689	483,995	61,818	1,748,266	317,592
Chicago ³	12	1,556,630	511,593	448,561	291,553	145,980	2,550	806,306	269,132
Alaska.....	4	4,685	1,183	1,979	-----	512	173	1,834	1,775
Hawai.....	1	38,933	16,991	13,632	-----	5,008	3,123	11,883	15,992

¹ Licensed banks (banks operating on an unrestricted basis)² Includes overdrafts³ Central reserve city banks, included in figures for respective States

Source. Comptroller of the Currency, Treasury Department

No. 252.—NATIONAL BANKS: CLASSIFICATION OF LOANS AND INVESTMENTS AS OF DECEMBER 31

[All figures in millions and tenths of millions of dollars]

	1928	1930	1931	1932	1933
Loans and discounts, total	15,291 3	14,389 4	11,926 8	9,847 7	8,104 2
Real estate loans, mortgages, deeds of trust, and other liens on real estate.....	1,293 6	1,576.2	1,684 9	1,641 0	1,339 7
On farm land.....	309 9	301 7	291 9	297.5	258 6
On other real estate.....	983 7	1,274.5	1,393.0	1,343 5	1,081 2
Loans secured by U S Government and other se- curities (exclusive of loans to banks).....	5,527 3	5,112.8	3,883 0	3,198 1	2,707 7
Loans to banks and trust companies.....	402 3	407 8	433 2	310 3	188 6
On securities.....		190 9	244 1	166 4	105 9
All other.....		216 9	189 1	143 8	82 7
Commercial paper bought in open market.....	301 2	279 5	97 2	55.5	81 8
Acceptances of other banks payable in U S.....	94 7	169.6	69 1	153 1	104 9
Notes, bills, acceptances, and other instruments evidencing loans payable in foreign countries.....	61 3	35.4	24 8	20.6	32 5
All other loans, incl reporting banks' own acceptances purchased or discounted and overdrafts.....	7,610 9	6,788.2	5,734 6	4,469.1	3,648 9
MEMORANDA					
Loans secured by U S Government obligations.....	135 6	118 0	124 0	92.7	127 7
Total loans eligible for rediscounts with Federal Reserve banks.....	3,008 7	2,490 9	1,826 9	1,518.9	1,440 6
Investments, total	7,127 3	7,092 1	7,201 4	7,583.4	7,870 8
United States Government securities.....	3,008 7	2,654 8	3,176 5	3,760 9	4,469 1
Other domestic:					
State and local government bonds.....	773 5	963 0	968 0	1,068.0	1,091 7
Railroad bonds.....	642 4	699 1	679 9	630 3	524 1
Other public service corporation bonds.....	720 8	816 6	721 3	653.0	530 7
All other bonds.....	952 4	907 5	766 8	671 5	523 8
Stock of Federal Reserve banks.....	92 3	99 9	94 9	93 5	86 4
Stock of other corporations.....	102 7	112 5	106 7	98.7	156.2
Claims, warrants, judgments, etc.....	166 6	185 6	161 5	154 5	125 4
Collateral trust and other corporation notes.....	141 0	133 0	124 8	122.6	128 5
Foreign securities:					
Government bonds.....	265 4	254 4	198 3	176.6	136 4
All other, including bonds of municipalities, etc.....	261.5	266 6	202 7	154.0	98 4

¹ Includes rediscounts and overdrafts

No. 253.—NATIONAL BANKS: DIVIDENDS AND EARNINGS

NOTE.—Ratios are based on capital and surplus as reported at the end of the fiscal year Net additions to profits are calculated before deducting dividends Data include banks in Alaska and Hawaii

Yearly average or year (years ended June 30) ¹	Amount (mil- lions of dollars)		Ratio (percent)			Year ended June 30—	Amount (mil- lions of dollars)		Ratio (percent)		
	Net addi- tion to profits	Divi- dends	Divi- dends to capital	Divi- dends to capital and surplus	Net addi- tion to profits to capital and surplus		Net addi- tion to profits	Divi- dends	Divi- dends to capital ²	Divi- dends to capital and surplus ²	Net addi- tion to profits to capital ² and surplus
1891-1895.....	62.7	49 0	7 3	5 4	6.9	1920.....	282.1	147 8	12 10	6 70	12.78
1896-1900.....	52 4	45 0	7.2	5 1	6.0	1921.....	216 1	158 2	12 42	6.88	9.40
1901-1905.....	102.2	64 0	9.2	6.2	10.0	1922.....	183.7	165.9	12 69	7.04	7.79
1906-1910 ³	140.7	97 9	11 13	6 91	9.93	1923.....	203 5	179 2	13.48	7.47	8.48
1910.....	154.2	105.9	10 99	6 65	9.67	1924.....	195 7	163 7	12 27	6 78	8 11
1911.....	157.0	114 7	11 38	6 83	9.35	1925.....	223 9	165.0	12 05	6 63	9.00
1912.....	149 1	120 3	11 66	6.93	8.59	1926.....	249.2	173 8	12 30	6.65	9.54
1913.....	161.0	119.9	11 40	6.75	9.06	1927.....	252.3	180 8	12 26	6 62	9 24
1914.....	149 3	120 9	11 37	6.80	8.39	1928.....	270 2	205 4	12 88	6.81	8 96
1915.....	127.1	113 7	10 63	6.33	7.08	1929.....	301 8	222 7	13 68	7 17	9 72
1916.....	157.5	114 7	10 76	6.38	8 76	1930.....	246 3	237.0	13 59	7 11	7.38
1917.....	194 3	125 5	11 61	6.79	10.52	1931.....	52 5	211 3	12 52	6 64	1 65
1918.....	212 3	129.8	11 82	6.78	11.09	1932.....	4 159.8	169 2	10.78	5 98	4 44
1919.....	240 4	135 6	12.15	6.83	12.11	1933.....	4 218 4	99 1	6 77	4.12	4 08

¹ Mar 1 prior to 1907² Common capital³ Annual average for the period Mar 1, 1905 to July 1, 1910⁴ Deficit.

Source of Tables 252 and 253. Comptroller of the Currency, Treasury Department.

No. 254.—BANKS OTHER THAN NATIONAL: PRINCIPAL RESOURCES AND LIABILITIES

NOTE.—Data relate in general to June 30. Banks in Alaska, Hawaii, Puerto Rico, and Philippine Islands are included

[All figures, except number of banks, in thousands of dollars]

	1915	1920	1925	1930	1931	1932
Number reporting.....	19, 457	22, 109	20, 709	16, 827	15, 266	13, 013
Resources	16, 008, 445	29, 687, 855	37, 706, 174	44, 903, 585	42, 566, 451	34, 877, 420
Loans and discounts ¹	9, 093, 528	17, 263, 796	21, 073, 990	25, 612, 904	22, 025, 225	17, 803, 476
Investments.....	3, 813, 563	7, 201, 060	9, 669, 669	11, 056, 567	12, 385, 316	11, 020, 589
Lawful reserve.....	1, 644, 964	2, 712, 040	11, 392, 046	2, 011, 426	1, 984, 093	1, 524, 366
Other amounts due from banks.....			12, 088, 561	1, 640, 656	1, 779, 575	1, 350, 369
Exchanges for clearing house, checks, and other cash items.....	126, 589	533, 952	1, 042, 599	1, 587, 148	1, 092, 344	553, 898
Cash on hand.....	599, 945	626, 027	591, 681	523, 463	515, 738	453, 223
All other.....	729, 856	1, 330, 980	1, 847, 628	2, 471, 431	2, 784, 160	2, 165, 499
Liabilities	16, 008, 445	29, 687, 855	37, 706, 174	44, 903, 585	42, 566, 451	34, 877, 420
Capital stock.....	1, 094, 322	1, 478, 473	1, 800, 276	2, 145, 445	1, 982, 335	1, 748, 881
Surplus.....	1, 010, 829	1, 423, 962	2, 054, 406	3, 377, 660	3, 298, 975	2, 798, 645
Undivided profits—net.....				608, 931	566, 536	414, 077
Reserves for dividends, contingencies, etc., and for interest, taxes, etc., accrued and unpaid.....	325, 022	429, 473	525, 728			
Demand deposits.....				216, 922	262, 461	324, 882
Time deposits ²	12, 539, 469	23, 596, 312	30, 394, 519	13, 173, 315	11, 220, 325	8, 464, 926
Deposits not classified.....				20, 712, 790	20, 579, 771	17, 508, 749
United States deposits.....			39, 119	117, 199	19, 240	8, 000
Due to banks ³	668, 671	948, 856	1, 623, 114	41, 758	212, 963	211, 038
Bills payable and rediscounts.....	128, 094	1, 078, 792	446, 295	2, 534, 249	2, 634, 205	1, 736, 643
All other.....	242, 037	711, 987	822, 717	436, 784	304, 087	741, 890
				1, 539, 532	1, 485, 553	919, 689

	1933 ⁴					
	Total	State banks	Loan and trust companies	Stock savings banks	Mutual savings banks	Private banks
Number reporting.....	9, 722	7, 714	1, 029	219	576	184
Resources	30, 441, 417	6, 552, 142	11, 996, 340	878, 879	10, 967, 143	46, 913
Loans and discounts ¹	14, 268, 046	3, 120, 812	4, 738, 381	444, 958	5, 941, 048	22, 847
Investments.....	10, 559, 032	1, 709, 582	4, 426, 941	309, 347	4, 103, 176	9, 986
Lawful reserve.....	1, 349, 818	458, 227	798, 999	45, 794	45, 419	1, 379
Other amounts due from banks.....	1, 294, 189	440, 261	503, 758	28, 306	319, 100	5, 765
Exchanges for clearing house, checks, and other cash items.....	617, 754	138, 185	476, 014	2, 168	1, 240	147
Cash on hand.....	384, 078	183, 310	126, 050	10, 655	62, 781	1, 282
All other.....	1, 968, 500	501, 765	926, 197	40, 652	494, 379	5, 507
Liabilities	30, 441, 417	6, 552, 142	11, 996, 340	878, 879	10, 967, 143	46, 913
Capital stock paid in.....	1, 383, 894	554, 517	793, 651	30, 863	-----	4, 863
Surplus.....	2, 430, 723	337, 280	1, 009, 604	26, 144	1, 054, 370	3, 325
Undivided profits—net.....	410, 646	90, 925	168, 814	5, 363	144, 687	857
Reserves for contingencies and for interest, taxes, etc., accrued and unpaid.....	338, 154	97, 671	221, 391	4, 170	13, 857	1, 065
Demand deposits.....	7, 364, 638	2, 424, 214	4, 874, 481	43, 756	3, 132	19, 055
Time deposits ²	15, 200, 894	2, 140, 489	2, 588, 093	751, 607	9, 709, 861	10, 844
Deposits not classified.....	27, 016	5, 638	18, 587	-----	20	2, 771
United States deposits.....	410, 738	91, 299	311, 073	8, 366	-----	77
Due to banks ³	1, 756, 069	377, 567	1, 375, 686	2, 480	-----	97
Bills payable and rediscounts.....	386, 028	229, 231	134, 296	5, 412	16, 271	818
All other.....	732, 617	203, 311	500, 664	718	24, 706	3, 218

¹ Includes rediscounts and overdrafts

² Includes postal savings

³ Includes certified and cashiers' checks and, beginning 1930, dividend checks and cash letters of credit and travelers' checks outstanding.

⁴ Licensed banks (banks operating on an unrestricted basis).

Source Comptroller of the Currency, Treasury Department.

No. 255.—CERTAIN MAJOR ITEMS OF SAVINGS OF THE UNITED STATES

NOTE.—In millions of dollars. Increase in savings and other time deposits is for fiscal years ended June 30; increase in assets of building and loan associations includes figures for calendar years for some States and fiscal years for others, other data are for calendar years. The last column should not be added to other items, as there is much duplication between it and them. For example, savings banks and life-insurance companies both invest their assets in the securities of corporations. On the other hand, many forms of savings, some of large amount, are not listed.

Year	Increase in savings and other time deposits, all banks ¹	Increase in assets of building and loan associations	Premiums paid to life-insurance companies, less operating expenses			Additions to surpluses of corporations ²	New capital issues
			Total	Ordinary companies	Industrial companies		
1913.....	144	111	524	374	150	-----	-----
1920.....	2, 148	408	931	613	318	-----	3, 635
1921.....	1, 312	356	1, 086	717	369	-----	3, 577
1922.....	1, 078	452	1, 166	747	419	1, 747	4, 304
1923.....	2, 148	600	1, 295	806	489	2, 528	4, 304
1924.....	1, 462	823	1, 483	916	567	1, 575	5, 593
1925.....	1, 945	743	1, 690	1, 043	647	2, 957	6, 220
1926.....	1, 562	825	1, 873	1, 145	729	2, 335	6, 344
1927.....	1, 395	822	2, 079	1, 269	810	1, 115	7, 791
1928.....	2, 322	860	2, 296	1, 372	924	2, 479	8, 114
1929.....	³ 196	679	2, 430	1, 433	997	2, 320	10, 183
1930.....	261	129	2, 573	1, 493	1, 079	³ 255	7, 023
1931.....	³ 259	³ 412	2, 730	1, 588	1, 142	³ 7, 327	3, 116
1932.....	³ 2, 358	³ 667	2, 594	1, 449	1, 145	-----	1, 192
1933.....	³ 2, 857	³ 773	-----	-----	-----	-----	716

¹ See note 1, table 256

² Net profit less cash dividends and income and profits tax as compiled from income-tax returns.

³ Decrease.

Sources: See sources of Tables 181, 256, 262, 297, and 306

No. 256 —SAVINGS AND OTHER TIME DEPOSITS AND DEPOSITORS IN BANKS AND TRUST COMPANIES—CONTINENTAL UNITED STATES

NOTE.—Savings and other time depositors in State banks and trust companies, stock savings and private banks, are not shown for earlier years, as data are very incomplete. Figures for this class of banks and totals exclude 6 States in 1928 and 1927, 4 in 1928 to 1930, 3 in 1931, and 2 in 1932 and 1933, and include for a number of others incomplete or estimated data or data for an earlier year.

On or about June 30—	Savings and other time deposits (millions of dollars) ¹				Savings and other time depositors (thousands)			
	All banks	Mutual savings banks	State, etc., banks ²	National banks	All banks	Mutual savings banks	State, etc., banks ²	National banks
1910.....	6, 835	(³) (⁴)	(⁵)	1, 014	-----	(⁴)	-----	2, 087
1911.....	7, 963	3, 459	3, 024	1, 480	-----	7, 691	-----	2, 341
1912.....	8, 404	3, 609	3, 260	1, 536	-----	7, 880	-----	2, 675
1913.....	8, 548	3, 812	3, 368	1, 369	-----	8, 034	-----	2, 965
1914.....	8, 712	3, 910	3, 348	1, 454	-----	7, 901	-----	(⁵)
1915.....	8, 807	3, 945	3, 541	1, 321	-----	7, 643	-----	(⁵)
1916.....	9, 459	4, 102	3, 641	1, 716	-----	7, 917	-----	(⁵)
1917.....	10, 876	4, 339	4, 364	2, 173	-----	8, 651	-----	(⁵)
1918.....	11, 535	4, 382	4, 817	2, 336	-----	8, 326	-----	(⁵)
1919.....	13, 040	4, 732	5, 532	2, 776	-----	9, 040	-----	6, 763
1920.....	15, 189	5, 058	6, 668	3, 463	-----	9, 079	-----	7, 980
1921.....	16, 501	5, 568	7, 255	3, 677	-----	9, 662	-----	8, 109
1922.....	17, 579	5, 818	7, 687	4, 074	-----	9, 687	-----	8, 873
1923.....	19, 727	6, 273	8, 767	4, 686	-----	10, 045	-----	9, 899
1924.....	21, 189	6, 693	9, 337	5, 158	-----	10, 384	-----	11, 068
1925.....	23, 134	7, 152	10, 172	5, 810	-----	10, 639	-----	11, 865
1926.....	24, 696	7, 525	10, 993	6, 178	46, 762	10, 950	23, 242	12, 570
1927.....	26, 091	8, 040	10, 963	7, 088	48, 355	11, 190	22, 828	14, 337
1928.....	28, 413	8, 668	11, 695	8, 050	⁶ 53, 188	11, 643	25, 364	16, 181
1929.....	28, 218	8, 904	11, 426	7, 889	⁶ 52, 764	11, 875	25, 467	15, 422
1930.....	28, 479	9, 206	11, 176	8, 097	⁶ 52, 729	12, 077	25, 115	15, 537
1931.....	28, 220	10, 034	10, 141	8, 045	⁶ 51, 399	12, 544	23, 062	15, 193
1932.....	24, 281	10, 040	7, 283	6, 958	⁶ 44, 352	12, 735	17, 520	14, 097
1933.....	21, 424	9, 760	5, 752	5, 912	39, 268	12, 995	14, 295	11, 978

¹ Includes deposits in savings accounts, time certificates of deposit payable in 30 days or over, and postal savings.

² Includes State, stock savings, and private banks and trust companies.

³ Combined data for other than national banks included in total.

⁴ For data for 1910 and earlier years from reports of the Comptroller of Currency, see Table 258.

⁵ Not available.

⁶ Figures include deposits for State chartered banks in States which did not previously report depositors as follows: Beginning 1928, Ohio and Idaho, which reported 2,376,000 depositors for that year, beginning 1931, Missouri, which reported 623,000 depositors for that year, and in 1932, Colorado, which reported 50,000 depositors.

Source: American Bankers' Association.

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No. 257.—SAVINGS AND OTHER TIME DEPOSITS AND DEPOSITORS IN ALL BANKS AND TRUST COMPANIES: BY STATES, ON OR ABOUT JUNE 30

Division and State	Savings and other time deposits (millions of dollars)							Savings and other time depositors (thousands)	
	1910 ¹	1920	1925	1930	1931	1932	1933	1932	1933
Continental U. S.	6,835.5	15,188.6	23,134.1	28,478.6	28,219.6	24,281.3	21,424.2	44,352	39,288
New England.....	1,480.6	2,639.9	3,750.2	4,832.3	4,950.7	4,621.6	4,284.4	6,902	6,479
Maine.....	128.6	204.6	265.7	319.3	326.1	301.5	217.6	641	447
New Hampshire.....	38.7	147.8	190.5	227.1	230.0	222.7	214.2	364	352
Vermont.....	74.3	135.1	173.4	205.1	199.1	182.2	155.5	312	273
Massachusetts.....	783.6	1,471.6	2,139.5	2,800.1	2,868.5	2,594.8	2,507.6	3,794	3,646
Rhode Island.....	123.9	215.4	299.2	372.6	388.3	357.8	340.9	396	383
Connecticut.....	281.5	467.5	681.9	908.2	938.7	862.8	848.6	1,395	1,379
Middle Atlantic.....	2,652.4	4,705.3	8,773.6	11,789.6	12,131.7	10,788.9	10,180.9	17,062	15,988
New York.....	1,825.3	2,807.8	5,546.1	7,616.2	7,901.8	7,336.2	7,034.0	9,434	9,383
New Jersey.....	234.4	576.9	1,040.0	1,397.3	1,413.5	1,209.1	1,109.6	2,629	2,274
Pennsylvania.....	592.7	1,320.6	2,187.5	2,776.1	2,816.4	2,243.5	2,017.3	4,998	4,810
East North Central.....	1,082.1	2,779.3	4,074.3	4,817.2	4,342.9	3,340.5	2,111.4	8,260	6,002
Ohio.....	334.0	811.9	1,164.1	1,410.8	1,375.0	1,017.7	781.2	2,325	2,095
Indiana.....	75.4	281.2	259.5	361.1	346.1	257.3	159.9	326	171
Illinois.....	351.7	685.1	1,258.6	1,366.9	1,135.1	835.6	583.9	2,377	1,827
Michigan.....	192.7	651.3	939.0	1,156.9	978.2	810.2	270.9	2,048	831
Wisconsin.....	128.3	349.8	453.1	521.5	508.6	419.7	315.4	1,243	1,079
West North Central.....	609.5	1,803.1	1,976.1	1,734.5	1,648.3	1,282.6	958.9	2,845	2,589
Minnesota.....	140.7	485.3	536.6	507.1	506.2	425.0	332.3	827	828
Iowa.....	194.6	551.4	524.9	465.2	420.2	256.0	169.3	521	459
Missouri.....	113.3	247.4	372.2	391.3	388.6	319.2	253.1	487	425
North Dakota.....	34.4	121.5	95.9	57.5	51.5	40.3	31.6	56	43
South Dakota.....	39.1	134.9	102.1	67.4	54.8	40.3	28.0	65	48
Nebraska.....	54.0	155.4	213.2	137.0	126.2	90.0	65.4	229	173
Kansas.....	33.4	107.2	131.2	109.0	100.8	91.8	79.2	248	222
South Atlantic.....	327.6	1,034.9	1,418.7	1,584.7	1,492.9	1,270.2	1,088.9	3,231	2,514
Delaware.....	11.5	35.9	50.1	63.1	64.0	62.8	62.2	122	119
Maryland.....	125.1	265.1	385.8	512.2	546.6	466.3	395.4	935	644
Dist. of Columbia.....	8.4	33.4	80.8	105.0	115.2	116.6	83.2	232	180
Virginia.....	45.0	152.8	216.8	246.7	245.8	218.0	196.6	552	425
West Virginia.....	47.5	111.4	150.6	155.6	144.0	117.2	101.0	307	241
North Carolina.....	19.6	121.7	142.3	146.2	110.4	66.9	55.8	478	362
South Carolina.....	25.8	112.0	112.0	76.9	65.9	34.3	21.3	78	45
Georgia.....	29.2	137.6	132.0	141.4	127.4	116.1	103.9	359	328
Florida.....	15.5	65.1	148.3	87.6	73.7	72.1	69.6	181	171
East South Central.....	80.2	321.7	508.9	594.0	495.7	398.2	337.8	832	805
Kentucky.....	35.6	96.1	176.4	212.2	176.2	141.5	124.3	329	287
Tennessee.....	24.9	104.2	155.2	186.5	159.4	126.6	99.6	180	187
Alabama.....	9.3	60.2	93.1	100.8	88.9	72.5	65.2	231	237
Mississippi.....	10.4	61.2	82.2	94.5	71.3	57.6	48.7	93	93
West South Central.....	65.7	311.6	440.1	557.4	529.8	435.8	382.9	936	1,078
Arkansas.....	6.4	34.3	65.2	77.2	55.9	42.9	37.7	86	77
Louisiana.....	31.8	99.5	123.3	144.1	141.2	121.5	91.3	392	459
Oklahoma.....	10.0	85.6	87.3	109.9	107.5	88.3	79.1	141	138
Texas.....	17.5	92.2	164.3	226.2	225.1	183.0	174.8	317	304
Mountain.....	105.1	348.2	331.2	375.3	367.6	286.0	242.0	672	550
Montana.....	14.3	75.5	55.8	69.2	61.2	50.1	43.8	76	71
Idaho.....	8.1	32.5	25.8	33.6	31.6	24.2	18.1	61	40
Wyoming.....	7.1	21.0	20.9	25.4	24.9	20.0	17.7	37	31
Colorado.....	42.2	102.9	116.3	112.4	113.1	97.8	82.7	213	188
New Mexico.....	5.6	13.2	7.3	11.9	11.5	9.7	5.7	20	10
Arizona.....	2.4	37.0	26.4	32.5	29.5	19.9	19.2	43	41
Utah.....	21.4	51.6	61.2	69.0	75.5	47.7	49.4	198	153
Nevada.....	4.0	14.5	17.5	21.3	20.4	16.6	5.4	23	17
Pacific.....	432.4	1,244.8	1,883.3	2,243.7	2,259.9	1,977.6	1,857.0	3,613	3,274
Washington.....	53.1	159.4	181.3	227.5	231.0	180.7	150.5	413	285
Oregon.....	22.6	76.1	105.9	123.4	122.1	97.8	88.2	255	210
California.....	356.7	1,009.3	1,576.1	1,892.8	1,906.8	1,699.1	1,618.3	2,946	2,779
Hawaii.....				53.5	44.3	43.2	45.3	172	166

¹ Includes demand certificates of deposit for national banks.² Data for mutual savings banks as of Oct. 31³ National and mutual savings banks only, data included for the latter being 1926 figures⁴ Data for banks other than national are for the latest year available as follows: Kentucky, Oklahoma, Texas, and Virginia, 1929; North Carolina and New Mexico, 1930; Alabama, Florida, Mississippi, Missouri, and Utah, 1931; Arizona, Iowa, Louisiana, Maryland, Minnesota, Montana, Nevada, and South Dakota, 1932⁵ National banks only.⁶ Includes 1924 data for State banks.

Source: American Bankers' Association.

No. 258.—SAVINGS BANKS: NUMBER OF DEPOSITORS AND AMOUNT OF SAVINGS DEPOSITS, CONTINENTAL UNITED STATES, 1820 TO 1910

NOTE.—Data for later years are as of June 30 or about June 30. In earlier years reports were of various dates. Prior to 1900 data include both mutual and stock savings banks, beginning 1900 they are for mutual savings banks only, which in that year had about 90 percent of the savings deposits in all savings banks. For figures for later years and also savings deposits in all classes of banks, see Table 256.

[Depositors in thousands, deposits in millions and tenths of millions of dollars]

Year	Depositors	Savings deposits	Year	Depositors	Savings deposits	Year	Depositors	Savings deposits
1820.....	9	1 1	1885.....	3, 071	1, 095 2	1898.....	5, 239	2, 027 2
1830.....	38	7 0	1886.....	3, 159	1, 141 5	1899.....	5, 524	2, 179 5
1840.....	79	14 1	1887.....	3, 418	1, 235 2	1900.....	5, 370	2, 134 5
1850.....	251	43 4	1888.....	3, 838	1, 364 2	1901.....	5, 612	2, 260 3
1860.....	694	149 3	1889.....	4, 022	1, 425 3	1902.....	5, 871	2, 280 2
1865.....	981	242 6	1890.....	4, 259	1, 524 8	1903.....	6, 117	2, 512 5
1870.....	1, 631	549. 9	1891.....	4, 533	1, 623 1	1904.....	6, 280	2, 602 0
1875.....	2, 360	924 0	1892.....	4, 782	1, 712 8	1905.....	6, 464	2, 736 5
1880.....	2, 336	819 1	1893.....	4, 831	1, 785 2	1906.....	6, 753	2, 908 7
1881.....	2, 529	892 0	1894.....	4, 778	1, 748 0	1907.....	7, 071	3, 055 3
1882.....	2, 710	966 8	1895.....	4, 876	1, 810 6	1908.....	7, 137	3, 065 7
1883.....	2, 876	1, 024 9	1896.....	5, 065	1, 907 2	1909.....	7, 205	3, 144 6
1884.....	3, 015	1, 073. 3	1897.....	5, 201	1, 939 4	1910.....	7, 482	3, 360 6

Source: Comptroller of the Currency, Treasury Department.

No. 259.—MUTUAL SAVINGS BANKS: NUMBER OF SAVINGS DEPOSITORS AND AMOUNT OF SAVINGS DEPOSITS ON OR ABOUT JUNE 30

NOTE.—There are no mutual savings banks in States not shown.

[Deposits in thousands of dollars]

Division and State	Depositors			Deposits		
	1931	1932	1933	1931	1932	1933
Continental United States.....	12, 544, 423	12, 734, 892	12, 994, 834	10, 034, 022	10, 039, 958	9, 760, 221
New England.....	4, 684, 615	4, 561, 149	4, 500, 363	3, 416, 300	3, 317, 690	3, 243, 098
Maine.....	223, 718	223, 261	218, 245	117, 304	118, 763	117, 049
New Hampshire.....	274, 670	268, 828	265, 655	183, 863	179, 223	175, 759
Vermont.....	121, 564	117, 226	115, 348	90, 694	82, 497	77, 949
Massachusetts.....	2, 938, 298	2, 848, 601	2, 806, 667	2, 165, 835	2, 095, 250	2, 047, 876
Rhode Island.....	197, 003	191, 336	187, 296	176, 158	172, 852	170, 761
Connecticut.....	929, 362	911, 897	907, 152	682, 446	669, 105	653, 704
Middle Atlantic.....	7, 011, 950	7, 316, 339	7, 651, 974	6, 014, 553	6, 130, 754	5, 967, 160
New York.....	5, 681, 837	5, 867, 718	6, 271, 371	5, 161, 358	5, 286, 973	5, 134, 980
New Jersey.....	525, 493	607, 836	527, 338	326, 459	336, 951	331, 964
Pennsylvania.....	804, 620	840, 785	853, 265	526, 736	506, 830	500, 216
East North Central.....	195, 637	195, 399	184, 334	150, 764	139, 732	131, 168
Ohio.....	143, 182	146, 605	146, 670	119, 114	113, 295	107, 711
Indiana.....	1 33, 374	1 33, 374	1 33, 374	23, 883	19, 381	18, 012
Wisconsin.....	19, 081	15, 420	4, 290	7, 767	7, 056	5, 445
West North Central.....	106, 856	100, 509	2 100, 509	67, 017	62, 680	57, 693
Minnesota.....	106, 856	100, 509	2 100, 509	67, 017	62, 680	57, 693
South Atlantic.....	375, 728	389, 869	389, 085	241, 145	245, 212	224, 946
Delaware.....	49, 201	48, 091	48, 307	27, 104	27, 779	27, 817
Maryland.....	326, 527	340, 778	2 340, 778	214, 041	217, 433	197, 129
Pacific.....	168, 637	171, 627	168, 569	144, 243	143, 890	136, 156
Washington.....	99, 439	99, 285	97, 101	57, 521	53, 026	46, 767
California.....	70, 198	72, 342	71, 281	86, 722	90, 864	89, 355
Oregon.....			187			34

¹ 1926 figures.

² 1932 figures

Source. American Bankers' Association.

No. 260.—SUMMARY OF POSTAL SAVINGS BUSINESS, 1912 TO 1933

NOTE.—In addition to main offices there were 817 branches and stations in operation on June 30, 1933. Data include Alaska, Hawaii, Puerto Rico, and Virgin Islands

Year ended June 30—	Offices in operation at close of period	Deposits made during year	With- drawals made during year	Balance to credit of depositors at close of period	Num- ber of depos- itors at close of period	Savings stamps			Balance on deposit in banks at close of period
						Sold during year	Re- deemed during year	Out- stand- ing at close of period	
		Dollars	Dollars	Dollars		Dollars	Dollars	Dollars	Dollars
1912.....	9,907	30,732,357	11,172,418	20,237,084	243,801	166,479	134,346	34,021	18,586,042
1914.....	9,639	47,815,249	38,189,848	43,444,271	388,511	150,390	141,904	49,014	40,919,873
1915.....	8,832	70,314,858	48,074,421	65,684,708	525,414	157,424	150,232	56,206	60,086,319
1916.....	7,701	76,775,868	56,440,691	86,019,885	602,937	181,173	168,333	63,546	80,775,586
1917.....	6,423	132,112,217	86,177,406	131,954,696	674,725	171,392	168,600	71,338	126,840,820
1918.....	5,926	116,893,259	100,376,456	148,471,499	612,186	117,864	130,133	59,068	140,658,608
1919.....	5,715	136,690,122	117,838,361	167,323,260	565,509	67,796	70,767	56,097	135,942,981
1920.....	5,583	139,208,954	149,255,802	157,276,322	508,508	72,066	69,043	59,120	126,426,019
1921.....	5,554	133,574,840	138,461,259	152,389,903	466,109	60,024	62,923	56,221	48,668,108
1922.....	6,020	96,507,746	111,161,210	137,736,439	420,242	38,672	68,188	61,704	44,160,417
1923.....	6,047	88,008,160	94,073,299	131,671,300	417,902	78,197	76,671	63,230	61,844,062
1924.....	5,995	94,932,846	93,790,011	132,814,135	412,584	68,606	68,945	62,891	96,369,974
1925.....	5,896	89,707,991	90,348,915	132,173,211	402,325	51,888	53,547	61,232	97,898,486
1926.....	5,853	90,751,051	88,745,704	134,178,558	399,305	44,050	46,654	58,628	101,175,541
1927.....	5,896	103,606,868	90,426,172	147,359,254	411,394	37,563	37,790	58,400	114,597,400
1928.....	5,897	96,386,499	91,602,404	152,143,349	412,250	34,145	34,874	57,672	118,714,519
1929.....	5,976	112,446,412	110,945,232	153,644,529	416,584	27,530	27,763	57,439	127,639,413
1930.....	5,998	159,959,071	138,331,914	175,271,686	466,401	26,105	25,946	57,597	148,255,213
1931.....	6,665	356,900,908	194,755,724	347,416,870	770,859	28,168	27,319	58,447	306,119,698
1932.....	6,743	850,194,852	422,732,099	754,820,623	1,545,190	36,856	34,455	60,347	681,726,591
1933.....	7,071	1,166,326,647	763,961,062	1,187,186,208	2,342,133	45,248	41,708	63,888	976,377,147

¹ Includes items shown on balance sheet as unclaimed not included in Table 261

No. 261.—POSTAL SAVINGS DEPOSITS AND DEPOSITORS: BY STATES

State or Territory	Number of depos- itors, June 30, 1933	Balance to credit of depositors, June 30—		State or Territory	Number of depos- itors, June 30, 1933	Balance to credit of depositors, June 30—	
		1932	1933			1932	1933
		Dollars	Dollars			Dollars	Dollars
Grand total.....	2,342,133	784,819,402	1,187,183,373	S. Atlantic—Contd			
Cont'l U S.....	2,334,355	783,205,468	1,184,800,995	West Virginia.....	13,069	6,004,119	7,500,931
New England.....	80,363	43,673,781	53,091,022	North Carolina.....	32,885	10,300,724	14,101,379
Maine.....	2,815	713,030	1,339,088	South Carolina.....	28,408	10,115,186	12,752,015
New Hampshire.....	3,686	1,912,709	2,231,223	Georgia.....	29,366	9,374,163	13,475,007
Vermont.....	757	234,296	400,442	Florida.....	92,214	27,876,010	29,873,431
Massachusetts.....	49,405	30,212,302	34,687,527	East South Central.....	63,227	20,940,615	33,947,020
Rhode Island.....	3,773	1,430,306	1,934,973	Kentucky.....	14,882	5,205,642	8,070,129
Connecticut.....	19,927	9,171,118	12,497,769	Tennessee.....	15,788	4,918,352	9,346,033
Middle Atlantic.....	443,516	157,336,482	224,893,295	Alabama.....	20,660	6,854,092	9,491,543
New York.....	263,366	81,779,461	122,959,420	Mississippi.....	11,897	4,062,529	6,339,315
New Jersey.....	60,833	24,645,687	36,744,966	West South Central.....	132,574	48,170,144	66,860,722
Pennsylvania.....	119,317	50,911,334	65,188,909	Arkansas.....	22,635	8,036,250	11,445,439
East North Central.....	650,011	205,708,431	338,193,510	Louisiana.....	12,737	2,313,363	7,266,901
Ohio.....	123,457	41,337,438	65,479,487	Oklahoma.....	41,071	14,943,029	26,382,698
Indiana.....	62,442	18,469,030	28,915,201	Texas.....	56,131	20,282,472	27,765,684
Illinois.....	272,768	96,431,619	140,173,669	Mountain.....	116,334	41,925,849	58,761,101
Michigan.....	139,146	39,563,441	75,647,285	Montana.....	20,569	9,855,618	11,213,374
Wisconsin.....	52,198	9,906,603	27,982,868	Idaho.....	18,332	5,451,009	7,760,124
West North Central.....	357,282	112,179,420	180,018,862	Wyoming.....	8,760	3,894,445	4,364,418
Minnesota.....	65,560	20,348,332	37,388,050	Colorado.....	31,454	9,642,714	15,863,226
Iowa.....	103,852	32,022,866	52,351,527	New Mexico.....	8,323	3,074,700	3,924,832
Missouri.....	73,894	20,226,188	35,812,835	Arizona.....	16,427	6,107,877	7,654,900
North Dakota.....	16,077	5,864,221	7,987,733	Utah.....	6,744	2,763,562	3,627,149
South Dakota.....	25,074	9,815,230	11,995,895	Nevada.....	5,725	1,145,924	2,147,076
Nebraska.....	37,049	13,425,310	18,285,724	Pacific.....	258,063	84,574,850	134,881,720
Kansas.....	35,786	10,477,773	16,297,098	Washington.....	70,125	25,490,737	33,201,362
South Atlantic.....	232,985	70,695,914	96,848,744	Oregon.....	36,210	12,555,816	17,026,525
Delaware.....	1,277	407,108	5,522,546	California.....	161,728	46,538,297	84,653,833
Maryland.....	7,766	1,519,686	5,588,118	Alaska.....	1,144	815,379	870,407
Dist. of Col.....	17,441	1,745,597	7,662,739	Hawaii.....	1,634	137,900	438,397
Virginia.....	10,569	3,353,321	5,372,578	Puerto Rico.....	4,808	620,164	1,032,644
				Virgin Islands.....	192	40,493	40,930

Source of Tables 260 and 261: Report of the Postmaster General on the Postal Savings System.

No. 262.—BUILDING AND LOAN ASSOCIATIONS: NUMBER, MEMBERSHIP, AND ASSETS, CONTINENTAL UNITED STATES

NOTE.—Data for a majority of the States are as of December 31, for some States, however, they are as of the close of the fiscal year ending various dates

Year (see note)	Associations	Members	Assets (1,000 dollars)	Year (see note)	Associations	Members	Assets (1,000 dollars)
1895.....	5,973	¹ 1,545,129	624,700	1922.....	10,009	6,364,144	3,342,531
1900.....	5,490	¹ 1,495,136	614,119	1923.....	10,744	7,202,880	3,942,940
1905.....	5,326	1,686,611	646,765	1924.....	11,844	8,554,352	4,765,937
1910.....	5,937	2,216,912	945,569	1925.....	12,403	9,886,997	5,509,176
1914.....	6,616	3,103,935	1,357,708	1926.....	12,626	10,665,705	6,334,104
1915.....	6,806	3,334,899	1,484,206	1927.....	12,800	11,308,061	7,156,207
1916.....	7,072	3,586,432	1,598,628	1928.....	12,666	11,995,905	8,016,034
1917.....	7,269	3,838,612	1,769,142	1929.....	12,342	12,111,209	8,695,154
1918.....	7,484	4,011,401	1,898,344	1930.....	11,767	12,336,754	8,824,119
1919.....	7,788	4,289,326	2,126,620	1931.....	11,432	11,324,698	8,412,369
1920.....	8,624	5,026,781	2,534,320	1932.....	10,986	10,102,288	7,745,282
1921.....	9,255	5,809,888	2,890,765	1933.....	10,716	9,198,093	6,972,243

State	Associations			Members			Assets (thousands of dollars)		
	1930	1931	1932	1930	1931	1932	1930	1931	1932
Maine.....	36	36	36	30,000	28,444	27,565	25,000	25,515	24,819
New Hampshire.....	29	29	29	17,670	17,625	16,613	13,793	14,217	14,076
Vermont.....	14	14	14	6,325	6,210	6,063	4,749	5,297	5,495
Massachusetts.....	227	227	227	513,431	499,523	467,829	562,718	560,103	527,361
Rhode Island.....	8	8	9	44,480	49,041	49,499	31,541	34,640	34,325
Connecticut.....	44	42	43	38,000	36,133	32,376	26,167	26,437	26,818
New York.....	307	302	299	595,865	585,471	531,216	440,729	443,252	423,676
New Jersey.....	1,561	1,559	1,553	1,198,177	1,107,731	985,470	1,211,942	1,201,674	1,143,109
Pennsylvania.....	3,445	3,268	2,957	1,540,585	1,236,297	941,682	1,371,223	1,250,692	1,044,266
Ohio.....	791	768	762	2,583,767	2,378,811	2,213,531	1,244,267	1,158,282	1,097,526
Indiana.....	398	386	388	429,447	400,800	375,700	306,870	288,584	270,858
Illinois.....	933	913	905	945,500	905,500	807,800	470,073	466,601	437,262
Michigan.....	67	66	66	210,722	219,174	218,235	167,200	165,270	152,933
Wisconsin.....	188	186	184	304,861	278,795	252,773	290,626	281,233	260,548
Minnesota.....	78	77	75	106,038	118,155	95,843	42,515	43,334	40,746
Iowa.....	74	76	74	65,343	66,405	62,320	49,708	48,104	44,850
Missouri.....	242	240	235	282,031	268,082	237,200	210,921	206,365	193,035
North Dakota.....	20	22	22	20,000	21,100	19,650	13,386	14,154	13,136
South Dakota.....	23	22	21	10,274	10,768	10,314	6,351	6,330	6,242
Nebraska.....	83	83	83	225,000	205,250	190,600	148,707	137,018	124,307
Kansas.....	155	152	151	210,283	193,771	174,482	132,363	126,320	116,163
Delaware.....	43	44	² 44	19,700	20,500	² 20,500	15,489	16,118	³ 16,118
Maryland.....	¹ 1,150	¹ 1,100	³ 1,075	³ 330,000	³ 320,000	³ 300,000	³ 220,000	³ 210,000	³ 197,500
District of Columbia.....	24	24	26	75,253	83,307	90,388	75,404	81,861	87,270
Virginia.....	92	94	85	66,730	68,570	62,100	60,440	60,366	56,321
West Virginia.....	63	61	60	58,800	56,350	53,490	36,252	37,741	35,804
North Carolina.....	235	229	222	95,915	95,208	81,897	92,192	85,348	75,894
South Carolina.....	³ 150	³ 152	³ 132	³ 34,000	³ 32,000	³ 30,000	³ 27,000	³ 25,500	³ 24,500
Georgia.....	37	40	40	16,731	18,419	18,893	6,039	7,015	7,265
Florida.....	68	67	65	13,500	12,400	11,400	17,829	15,976	14,369
Kentucky.....	161	159	161	182,900	187,000	181,800	118,928	121,822	118,476
Tennessee.....	41	40	⁴ 40	25,100	24,970	³ 23,470	18,399	18,497	³ 17,897
Alabama.....	40	40	37	41,340	39,440	36,230	29,435	28,080	25,772
Mississippi.....	47	47	46	30,000	27,380	24,537	20,462	18,680	16,650
Arkansas.....	66	67	56	72,717	61,571	50,000	44,737	44,811	35,498
Louisiana.....	102	101	101	200,930	190,496	181,475	182,358	170,871	159,480
Oklahoma.....	82	80	82	255,000	214,678	129,339	139,804	126,343	113,251
Texas.....	154	145	144	184,760	174,550	157,215	134,743	127,286	114,631
Montana.....	27	27	27	45,163	37,903	32,767	21,285	20,920	19,151
Idaho.....	14	14	14	8,565	7,850	7,650	5,640	5,169	5,040
Wyoming.....	12	11	11	18,400	18,500	17,850	9,829	9,894	9,510
Colorado.....	68	67	58	121,854	85,870	55,000	60,094	59,137	38,472
New Mexico.....	18	18	17	5,350	5,250	4,950	5,111	5,016	4,717
Arizona.....	9	9	8	7,250	7,050	6,030	4,838	4,960	4,247
Utah.....	24	24	23	95,263	86,654	74,023	55,643	53,246	50,287
Nevada.....	4	3	3	2,890	1,440	1,665	2,076	1,027	1,184
Washington.....	73	66	66	298,844	220,256	205,038	108,261	72,896	64,974
Oregon.....	31	27	22	52,000	46,000	33,800	30,569	27,010	19,645
California.....	209	200	188	600,000	550,000	494,000	510,520	453,007	407,146
Hawaii ⁴	10	10	11	14,174	14,003	12,534	4,493	5,007	5,209

¹ Total membership of local associations only, does not include national associations, membership or which declined to 44,484 in 1905, now extinct.

Source: United States Building and Loan League.

² Data for 1931 No report for 1932

³ Estimate

⁴ Not included in United States total.

No. 263.—FAILURES OF BUILDING AND LOAN ASSOCIATIONS

[Liabilities and estimated loss in thousands of dollars Liabilities not available prior to 1930]

Year	Number failed	Estimated loss	Year	Number failed	Liabilities	Estimated loss
1920.....	2	1	1927.....	21	-----	1, 013
1921.....	6	92	1928.....	23	-----	568
1922.....	4	159	1929.....	159	-----	2, 313
1923.....	9	133	1930.....	190	80, 438	24, 676
1924.....	18	398	1931.....	126	61, 909	22, 328
1925.....	26	500	1932.....	122	52, 818	20, 337
1926.....	12	381	1933.....	88	215, 516	43, 954

Source United States Building and Loan League.

No. 264.—LOANS AND DISCOUNTS OF AGENCIES NOW UNDER THE FARM CREDIT ADMINISTRATION: AMOUNTS ADVANCED AND OUTSTANDING, 1917 TO 1934

[All figures in thousands of dollars]

Year	Federal land banks ¹	Land bank commissioner ¹	Joint stock land banks ¹	Federal intermediate credit banks	Production credit associations	Regional agricultural credit corporations	Emergency crop loans	Banks for cooperatives, including central bank	Agricultural Marketing Act revolving fund loans to cooperatives
Advanced during—									
1917.....	39, 112	-----	(2)	-----	-----	-----	-----	-----	-----
1918.....	118, 130	-----	(2)	-----	-----	-----	-----	-----	-----
1919.....	144, 987	-----	(2)	-----	-----	-----	-----	-----	-----
1920.....	66, 985	-----	(2)	-----	-----	-----	-----	-----	-----
1921.....	91, 030	-----	9, 335	-----	-----	-----	1, 957	-----	-----
1922.....	224, 301	-----	138, 685	-----	-----	-----	1, 480	-----	-----
1923.....	192, 083	-----	189, 748	44, 923	-----	-----	-----	-----	-----
1924.....	165, 510	-----	74, 587	117, 670	-----	-----	414	-----	-----
1925.....	127, 355	-----	131, 431	153, 251	-----	-----	-----	-----	-----
1926.....	131, 318	-----	123, 026	177, 463	-----	-----	-----	-----	-----
1927.....	140, 384	-----	83, 719	138, 130	-----	-----	244	-----	-----
1928.....	102, 236	-----	40, 572	137, 170	-----	-----	-----	-----	-----
1929.....	64, 253	-----	18, 186	138, 255	-----	-----	5, 759	-----	14, 823
1930.....	47, 971	-----	5, 236	218, 974	-----	-----	5, 341	-----	193, 395
1931.....	42, 015	-----	5, 407	267, 994	-----	-----	55, 787	-----	126, 548
1932.....	27, 570	-----	2, 181	240, 823	-----	24, 597	64, 205	-----	34, 486
1933.....	151, 634	70, 812	3 739	279, 661	27	220, 497	57, 445	27, 144	40, 687
1934 (Jan - May).....	346, 783	242, 227	-----	157, 286	28, 639	78, 660	27, 494	7, 794	1, 210
Outstanding Dec 31—									
1918.....	156, 214	-----	8, 384	-----	-----	-----	-----	-----	-----
1919.....	293, 595	-----	60, 038	-----	-----	-----	-----	-----	-----
1920.....	349, 679	-----	77, 959	-----	-----	-----	-----	-----	-----
1921.....	432, 523	-----	85, 017	-----	-----	-----	-----	-----	-----
1922.....	639, 486	-----	218, 775	-----	-----	-----	2, 765	-----	-----
1923.....	799, 597	-----	392, 639	42, 732	-----	-----	1, 306	-----	-----
1924.....	927, 568	-----	446, 429	62, 297	-----	-----	1, 460	-----	-----
1925.....	1, 005, 685	-----	545, 559	80, 052	-----	-----	1, 155	-----	-----
1926.....	1, 077, 819	-----	632, 476	92, 434	-----	-----	1, 048	-----	-----
1927.....	1, 155, 644	-----	669, 798	75, 915	-----	-----	1, 240	-----	-----
1928.....	1, 194, 470	-----	656, 516	81, 277	-----	-----	1, 194	-----	-----
1929.....	1, 197, 950	-----	626, 980	76, 091	-----	-----	6, 924	-----	14, 510
1930.....	1, 188, 132	-----	590, 811	130, 010	-----	-----	7, 894	-----	136, 698
1931.....	1, 163, 476	-----	536, 644	119, 868	-----	-----	60, 389	-----	155, 490
1932.....	1, 116, 692	-----	459, 183	92, 383	-----	24, 373	89, 301	-----	158, 096
1933.....	1, 213, 523	70, 738	392, 438	149, 463	27	144, 636	89, 811	18, 697	157, 752
1934 (May 31).....	1, 548, 554	311, 375	334, 680	190, 639	28, 117	143, 093	90, 147	33, 303	54, 642

¹ Amounts outstanding represent the unmatured principal of mortgage loans, therefore, they do not include the principal of delinquent installments, and payments made in advance of maturity have not been deducted as in the case of figures for Federal and joint-stock land banks shown in Tables 270 and 271. For joint-stock land banks, amounts outstanding include loans of banks in receivership.

² Data not available

³ Includes loans for refinancing of existing indebtedness

⁴ Balances outstanding are taken as of June 30 of each year.

Source Farm Credit Administration.

No. 265.—LOANS AND DISCOUNTS OF AGENCIES UNDER THE FARM CREDIT ADMINISTRATION: AMOUNTS OUTSTANDING MAY 31, 1934, BY STATES

[All figures in thousands of dollars]

District and State	Total ¹	Federal land banks	Land Bank Commissioner	Joint stock land banks	Federal intermediate credit banks	Production credit associations	Regional agricultural credit corporations	1934 emergency crop loans
Total ².....	2, 526, 323	1, 548, 554	311, 375	334, 680	190, 639	28, 117	143, 093	90, 147
District No. 1.....	86, 839	59, 903	11, 366	7, 638	5, 931	3, 580	1, 695	757
Maine.....	10, 856	6, 743	1, 954	-----	1, 725	1, 647	21	414
New Hampshire.....	1, 579	1, 204	287	-----	47	43	25	19
Vermont.....	5, 393	4, 248	780	-----	257	71	131	30
Massachusetts.....	9, 083	5, 819	1, 550	-----	1, 546	405	169	32
Rhode Island.....	1, 106	865	136	-----	97	95	10	(³)
Connecticut.....	6, 054	4, 963	813	-----	218	164	39	28
New York.....	42, 432	29, 379	4, 340	6, 520	1, 583	856	698	177
New Jersey.....	10, 335	6, 682	1, 506	1, 116	459	300	601	56
District No. 2.....	110, 192	73, 116	14, 820	15, 442	2, 634	2, 036	437	3, 966
Pennsylvania.....	29, 881	18, 441	4, 669	5, 606	639	567	42	501
Delaware.....	930	549	253	-----	73	68	6	54
Maryland.....	11, 513	6, 024	2, 269	2, 608	296	238	71	272
Virginia.....	43, 130	29, 194	5, 293	4, 727	1, 185	996	173	2, 669
West Virginia.....	14, 427	8, 827	2, 336	2, 501	230	167	126	470
Puerto Rico.....	10, 311	10, 081	-----	-----	-----	-----	19	-----
District No. 3.....	154, 231	70, 810	32, 670	27, 806	8, 235	6, 907	1, 022	14, 071
North Carolina.....	53, 487	19, 473	8, 233	18, 892	2, 914	2, 714	40	3, 947
South Carolina.....	35, 310	16, 088	8, 209	4, 269	2, 443	2, 359	40	4, 265
Georgia.....	47, 370	25, 050	10, 479	4, 646	2, 016	1, 622	503	4, 875
Florida.....	18, 065	10, 199	5, 749	-----	861	213	439	953
District No. 4.....	257, 913	166, 364	36, 171	45, 901	4, 093	733	1, 403	4, 903
Ohio.....	67, 250	41, 997	8, 414	15, 040	936	129	347	736
Indiana.....	99, 309	62, 033	11, 252	24, 829	483	161	280	630
Kentucky.....	50, 903	33, 520	9, 431	4, 750	1, 276	89	348	1, 786
Tennessee.....	40, 450	28, 815	7, 075	1, 283	1, 397	355	429	1, 771
District No. 5.....	132, 313	93, 466	12, 443	7, 600	10, 955	3, 782	1, 049	7, 451
Alabama.....	43, 927	32, 870	4, 290	3, 222	752	578	306	2, 547
Mississippi.....	53, 546	35, 728	5, 614	4, 005	5, 172	1, 991	234	2, 542
Louisiana.....	34, 840	24, 868	2, 540	373	5, 001	1, 214	508	1, 953
District No. 6.....	229, 048	138, 185	20, 889	58, 061	6, 201	2, 565	282	5, 531
Illinois.....	141, 492	84, 923	11, 759	42, 221	2, 394	661	41	301
Missouri.....	50, 144	33, 023	6, 815	7, 615	1, 059	534	114	1, 587
Arkansas.....	37, 412	20, 238	2, 315	8, 225	2, 878	1, 370	127	3, 643
District No. 7.....	318, 210	200, 748	48, 029	11, 353	30, 178	1, 484	31, 280	18, 967
Michigan.....	46, 785	33, 379	6, 684	1, 906	755	240	553	937
Wisconsin.....	65, 054	45, 378	13, 385	-----	4, 381	418	4, 012	1, 427
Minnesota.....	104, 311	68, 478	16, 132	5, 196	10, 225	626	10, 960	1, 719
North Dakota.....	102, 060	53, 513	11, 828	1, 257	14, 816	202	15, 755	14, 849
District No. 8.....	412, 031	259, 963	41, 840	60, 723	25, 103	392	31, 531	10, 882
Iowa.....	196, 135	131, 522	18, 454	42, 950	1, 642	53	2, 438	220
South Dakota.....	71, 590	39, 440	7, 431	4, 543	7, 181	119	9, 439	8, 732
Nebraska.....	122, 477	82, 324	14, 838	10, 037	8, 610	199	10, 874	1, 341
Wyoming.....	21, 828	6, 676	1, 117	3, 198	7, 670	21	8, 780	600
District No. 9.....	176, 977	102, 639	19, 994	19, 509	22, 870	956	21, 524	7, 001
Kansas.....	75, 961	46, 009	11, 874	10, 119	3, 710	274	4, 747	2, 686
Oklahoma.....	37, 806	23, 214	5, 245	2, 589	4, 780	468	2, 853	1, 400
Colorado.....	43, 943	24, 222	2, 300	6, 801	7, 646	104	8, 525	1, 640
New Mexico.....	19, 267	9, 194	574	-----	6, 734	110	5, 399	1, 266
District No. 10.....	310, 144	195, 376	30, 380	49, 882	24, 655	1, 764	12, 233	5, 291
Texas.....	310, 144	195, 376	30, 380	49, 882	24, 655	1, 764	12, 233	5, 291
District No. 11.....	156, 548	87, 214	25, 310	17, 712	18, 937	2, 471	10, 758	656
Arizona.....	12, 361	6, 535	512	1, 468	3, 265	160	686	145
Utah.....	23, 942	14, 079	1, 395	3, 363	5, 834	-----	3, 736	415
Nevada.....	7, 544	3, 315	207	475	1, 655	14	2, 962	16
California.....	112, 701	63, 286	23, 196	15, 421	8, 083	2, 296	3, 375	80
District No. 12.....	181, 878	100, 770	17, 461	13, 044	30, 948	1, 444	29, 879	10, 662
Montana.....	49, 096	19, 603	4, 165	1, 051	11, 232	455	14, 081	8, 687
Idaho.....	42, 807	25, 587	4, 094	1, 921	7, 519	214	9, 333	594
Washington.....	46, 190	33, 155	5, 244	1, 217	4, 767	644	1, 073	1, 028
Oregon.....	43, 785	22, 424	3, 956	8, 856	7, 430	131	4, 493	352

¹ Some of the loans of the regional agricultural credit corporations and all of the loans of the production credit associations are rediscouted with the Federal intermediate credit banks. In obtaining the total in this column, adjustment is made to avoid counting these loans twice.

² Figures do not include the following loans which cannot be allocated to particular States: Land Bank Commissioner's loans to joint stock land banks, \$998,000, Agricultural Marketing Act revolving fund, \$150,140,000, central bank for cooperatives, \$13,993,000, and banks for cooperatives, \$5,316,000.

³ Less than \$500.

Source: Farm Credit Administration.

No. 266—FEDERAL AND JOINT-STOCK LAND BANKS AND LAND BANK COMMISSIONER. NUMBER AND AMOUNT OF LOANS CLOSED DURING 1933 AND FROM ORGANIZATION TO DECEMBER 31, 1933

[Amounts in thousands of dollars]

Federal land bank district and State	Federal land banks				Joint-stock land banks—organization to Dec 31, 1933 ¹		Land Bank Commissioner—May 12, 1933, to Dec 31, 1933		Total amount of loans (bank and commissioner)	
	1933		Organization to Dec 31, 1933		Number	Amount	Number	Amount	1933 ²	Organization to Dec 31, 1933
	Number	Amount	Number	Amount						
Total.....	38,568	151,634	568,859	1,875,130	130,362	901,354	44,039	70,812	222,446	2,847,286
District No. 1.....	1,787	4,908	25,609	81,441	3,617	17,676	1,628	2,981	7,888	102,088
Maine.....	93	139	3,774	10,400	-----	-----	286	690	823	11,089
New Hampshire.....	93	138	3,712	1,886	-----	-----	54	80	218	1,866
Vermont.....	189	455	1,980	5,790	-----	-----	162	214	669	8,004
Massachusetts.....	241	678	2,571	7,688	-----	-----	309	564	1,242	8,251
Rhode Island.....	48	149	315	1,007	-----	-----	28	51	201	1,058
Connecticut.....	139	362	2,131	7,140	-----	-----	142	246	608	7,385
New York.....	869	2,406	11,840	39,197	3,070	14,823	519	971	3,277	54,891
New Jersey.....	155	580	2,086	8,334	547	2,853	128	265	845	11,452
District No. 2.....	1,470	5,079	36,621	100,243	9,417	38,848	3,274	5,769	10,848	144,860
Pennsylvania.....	462	1,234	9,221	23,977	3,227	12,211	918	1,689	2,822	37,777
Delaware.....	10	48	184	632	-----	-----	49	104	152	735
Maryland.....	238	1,085	1,683	7,136	906	5,480	440	972	2,056	13,588
Virginia.....	526	2,145	15,020	41,485	2,704	12,721	1,177	2,191	4,336	56,397
West Virginia.....	206	519	5,607	11,326	2,580	8,436	690	914	1,432	20,676
Puerto Rico.....	28	49	5,106	15,687	-----	-----	-----	-----	49	15,687
District No. 3.....	2,628	7,178	42,605	97,350	19,620	74,804	6,280	8,922	15,500	180,250
North Carolina.....	369	826	13,961	27,356	14,516	47,692	1,018	1,265	2,092	76,313
South Carolina.....	764	1,997	8,871	25,019	3,186	16,817	1,844	2,471	4,469	44,307
Georgia.....	758	1,752	14,073	32,755	1,918	10,096	1,953	2,193	3,945	45,044
Florida.....	737	2,602	5,700	12,223	-----	-----	1,465	2,393	4,995	14,616
District No. 4.....	4,413	13,415	58,934	181,018	21,663	109,545	3,808	4,894	18,305	294,456
Ohio.....	1,320	3,757	10,573	39,010	8,195	36,436	684	861	4,619	76,358
Indiana.....	1,585	4,470	18,999	66,186	9,786	52,061	998	1,225	5,696	119,472
Kentucky.....	916	3,460	12,745	40,188	2,716	15,803	1,171	1,793	5,253	57,784
Tennessee.....	592	1,728	14,517	35,634	966	4,195	773	1,014	2,741	40,842
District No. 5.....	554	1,602	75,884	155,505	1,836	18,833	2,926	2,253	3,854	176,691
Alabama.....	250	540	28,674	53,631	1,084	6,918	1,073	831	1,371	61,380
Mississippi.....	229	833	31,234	62,291	676	10,526	1,495	1,116	1,948	73,933
Louisiana.....	75	220	15,976	39,583	76	1,489	353	306	535	41,378
District No. 6.....	3,342	16,306	44,432	160,592	17,492	150,227	3,905	6,126	22,432	316,945
Illinois.....	2,281	13,101	13,533	82,908	10,899	96,711	1,853	3,722	18,332	183,341
Missouri.....	959	2,938	12,924	45,061	4,713	37,031	1,485	1,935	4,873	84,027
Arkansas.....	102	267	17,975	32,623	1,880	16,485	567	469	736	49,577
District No. 7.....	7,950	25,930	56,478	211,558	9,635	69,206	6,350	8,526	34,456	289,289
Michigan.....	992	2,149	14,038	36,780	2,512	13,632	862	866	3,015	51,184
Wisconsin.....	1,910	5,731	12,043	46,556	1,203	6,222	1,777	2,280	8,011	55,058
Minnesota.....	3,369	12,747	16,444	73,792	5,107	44,684	2,602	3,930	16,676	122,406
North Dakota.....	1,679	5,304	13,953	54,424	813	4,768	1,109	1,450	6,754	60,642
District No. 8.....	7,438	35,488	46,241	276,614	18,232	194,850	3,571	7,552	43,040	479,016
Iowa.....	3,916	20,834	18,202	136,930	11,031	134,513	1,548	3,415	24,249	273,857
South Dakota.....	863	2,610	9,459	45,825	2,143	18,219	372	656	3,266	64,701
Nebraska.....	2,634	11,971	15,787	84,910	4,290	37,441	1,574	3,366	15,337	125,717
Wyoming.....	25	73	2,793	8,949	768	5,678	77	114	187	14,741
District No. 9.....	1,471	4,752	43,102	139,847	7,428	48,774	2,872	4,485	9,217	193,085
Kansas.....	1,052	3,736	13,782	57,359	4,628	31,427	1,405	2,986	6,722	91,772
Oklahoma.....	251	606	11,299	31,527	1,280	7,115	638	1,028	1,634	39,670
Colorado.....	147	354	11,513	36,338	1,518	10,232	290	407	761	46,976
New Mexico.....	21	56	6,508	14,623	-----	-----	39	44	100	14,667
District No. 10.....	3,022	16,012	73,099	230,799	14,128	104,274	4,743	9,340	25,353	344,414
Texas.....	3,022	16,012	73,099	230,799	14,128	104,274	4,743	9,340	25,353	344,414
District No. 11.....	2,665	14,820	22,584	92,790	4,177	50,110	3,178	6,729	21,349	149,629
Arizona.....	131	641	2,141	9,071	585	4,196	163	258	900	13,525
Utah.....	195	585	6,472	20,472	187	867	271	457	1,042	21,796
Nevada.....	33	383	5,521	3,944	38	830	18	44	427	4,818
California.....	2,306	13,012	13,450	59,304	3,367	44,217	2,726	5,969	18,981	109,490
District No. 12.....	1,828	6,346	45,470	147,370	3,119	25,308	2,208	3,857	10,203	178,534
Montana.....	189	616	10,136	32,363	346	2,076	428	889	1,505	35,329
Idaho.....	434	1,328	9,603	34,834	1,141	5,265	410	626	1,055	40,725
Washington.....	722	2,487	16,945	49,529	254	2,683	964	1,617	4,103	53,289
Oregon.....	453	1,916	8,786	30,643	1,378	15,284	404	724	2,640	40,652

¹ Includes loans of banks in liquidation through receivership or liquidated through receivership. Loans closed by joint-stock land banks during 1933 not available by States; for total amount see table 264

² Federal land bank and Land Bank Commissioner loans; Joint-stock land bank loans not available by States

Source: Farm Credit Administration.

250 LAND BANK COMMISSIONER—FEDERAL LAND BANKS

No. 267.—LAND BANK COMMISSIONER: LOANS TO FARMERS CLOSED FROM MAY 12, 1933, TO DECEMBER 31, 1933; ACREAGE AND APPRAISED VALUE OF FARM PROPERTY SECURING LOANS, AND PERCENT OF LOAN PROCEEDS USED FOR VARIOUS PURPOSES

[Amount of loans and appraised value of farm and personal property in thousands of dollars]

District	Loans closed and appraised value of mortgaged property						Percent of loans for—				
	Number	Amount of loans	Acres mortgaged	Appraised value of farm and personal property	Average amount loaned per acre ¹	Average appraised value per acre	Payment of mortgages	Payment of other debts	Farm operations	Redemption or repurchase of farm	Loan fees
Total, May 12 to Dec 31, 1933...	44, 039	70, 812	8, 588, 299	314, 550	\$19. 58	\$36. 63	63. 4	27 8	6 2	1. 7	0 9
Springfield...	1, 628	2, 981	199, 314	12, 229	35 62	61. 08	48. 0	44 6	6 2	. 9	. 3
Baltimore...	3, 274	5, 769	472, 086	20, 941	21. 58	44 36	54. 8	37 6	6 9	. 1	. 6
Columbia...	6, 280	8, 322	798, 311	25, 084	17. 77	31. 42	63 5	18 8	14 8	1. 7	1 2
Louisville...	3, 606	4, 894	429, 492	23, 174	28 83	54 96	59. 8	33 2	5 1	. 5	1. 4
New Orleans...	2, 926	2, 253	365, 492	7, 442	10 81	20 36	68 0	15 0	13 8	. 9	2 3
St Louis...	3, 905	6, 126	523, 435	28, 444	26 37	54. 34	54. 1	40 5	3. 8	. 8	. 8
St Paul...	6, 350	8, 526	939, 383	49, 276	27 44	52 46	72 8	14 6	6 7	5. 5	. 4
Omaha...	3, 571	7, 551	868, 462	48, 604	30 17	55 97	61 3	37 0	. 3	1 4	(?)
Wichita...	2, 372	4, 464	574, 153	15, 041	14 74	28. 20	59 7	33 0	3 6	2. 7	1. 0
Houston...	4, 743	9, 340	2, 566, 058	40, 107	9 01	15 63	74 1	23 6	1 5	. 4	. 4
Berkeley...	3, 178	6, 729	441, 468	30, 474	32 88	69 03	68 8	19 6	7 8	2 5	1 3
Spokane...	2, 206	3, 857	410, 645	13, 734	17 90	33 45	57. 8	29 1	9 0	1. 3	2 8

¹ Including any prior mortgages.

² Less than one-tenth of 1 per cent

Source Farm Credit Administration

No. 268.—FEDERAL LAND BANKS: AVERAGE AND APPRAISED VALUE OF FARMS SECURING LOANS, AND AVERAGE LOAN AND FARM VALUE PER ACRE

NOTE.—For the period prior to June 1, 1933, the data are based on loans submitted for approval as collateral for bonds. Virtually all loans closed, however, were so submitted.

Bank	Number of loans	Amount of loans (thousands of dollars)	Acres mortgaged	Original appraised value (thousands of dollars)			Average amount loaned per acre	Average appraised value per acre	
				Total	Land	Buildings		Land only	Land and buildings
Total from organization to May 31, 1933.....	519, 753	1, 638, 878	97, 282, 729	4, 485, 139	3, 509, 696	975, 443	\$16. 84	\$36. 07	\$47 13
Total, June 1 to Dec. 31, 1933.....	34, 768	137, 865	8, 308, 757	377, 464	296, 136	81, 327	16. 59	35. 64	45 43
Springfield.....	1, 412	3, 800	176, 122	11, 091	7, 180	3, 911	21. 58	40. 77	62 97
Baltimore.....	1, 346	4, 721	245, 054	12, 947	8, 495	4, 452	19. 27	34. 67	52 83
Columbia.....	2, 567	7, 066	536, 778	18, 450	14, 646	3, 804	13 16	27. 28	34 37
Louisville.....	3, 878	11, 898	533, 881	33, 475	24, 549	8, 927	22 29	45 98	62 70
New Orleans.....	548	1, 596	160, 181	4, 182	3, 571	610	9 96	22 30	26 11
St Louis.....	3, 139	15, 399	531, 733	41, 005	34, 367	6, 638	28 96	64. 63	77. 12
St Paul.....	7, 556	24, 586	1, 263, 539	68, 881	46, 783	22, 098	19. 46	37 03	54 51
Omaha.....	6, 512	32, 109	1, 318, 639	91, 671	73, 720	17, 951	24. 35	55 91	69 52
Wichita.....	1, 302	4, 200	370, 495	12, 339	9, 915	2, 423	11 84	26 76	33 30
Houston.....	2, 586	14, 193	2, 186, 838	33, 262	31, 534	1, 727	6 49	14 42	15 21
Berkeley.....	2, 486	13, 359	628, 360	36, 023	30, 041	5, 983	21 26	47. 81	57 33
Spokane.....	1, 436	4, 938	357, 137	14, 138	11, 335	2, 803	13. 82	31. 74	39 59

Source Farm Credit Administration

No. 269.—FEDERAL LAND BANKS: PERCENT OF LOAN PROCEEDS USED FOR VARIOUS PURPOSES

	1929	1930	1931	1932	Jan 1 to May 31, 1933	Organization to May 31, 1933	June 1 to Dec. 31, 1933
Loans submitted for bond issues (thousands of dollars) ¹	68,628	41,122	40,327	23,359	13,769	1,638,878	-----
Loans closed (thousands of dollars) ²							137,865
PURPOSES OF LOANS							
Total.....	Percent 100 0	Percent 100.0	Percent 100.0	Percent 100 0	Percent 100 0	Percent 100 0	Percent 100 0
Purchase of land.....	14 0	12.9	8 6	4 6	5 4	10 0	3 1
Equipment, fertilizer, etc.....	2 8	3.2	3 3	2 4	3 3	2 9	.9
Buildings and improvements.....	4 2	4.3	3 3	2 2	1 8	4 9	1.2
Payment of mortgages.....	61 8	59.6	57 5	48 2	42 8	64 9	65 2
Payment of other debts.....	12 2	15.0	22 3	37 6	41 7	12 3	22 3
Stock in bank or national farm-loan association.....	5 0	5.0	5 0	5 0	5 0	5 0	5 0
General agricultural uses ²							1 2
Loan fees ³							1 1

¹ Prior to June 1, 1933, information on purposes was available only in connection with loans submitted for approval as collateral for bonds. Virtually all loans closed, however, were so submitted.

² This purpose was authorized by an amendment to the Federal Farm Loan Act dated Mar. 4, 1933.

³ Information on amounts deducted for loan fees is not available prior to June 1, 1933.

Source: Farm Credit Administration.

No. 270.—FEDERAL LAND BANKS: PRINCIPAL ASSETS AND LIABILITIES AS OF DECEMBER 31

[All figures in thousands of dollars]

Bank	Assets				Liabilities			
	Total	Mortgage loans ¹	U S securities ²	Cash on hand and in banks	Capital stock ³	Paid-in surplus, U S Govt	Reserves and undivided profits ⁴	Farm loan bonds outstanding ⁵
All banks								
1929.....	1,301,338	1,197,282	21,816	13,720	65,735	-----	18,384	1,187,662
1930.....	1,298,349	1,187,439	15,920	15,860	66,133	-----	17,523	1,184,460
1931.....	1,282,880	1,162,889	12,249	11,272	65,676	-----	15,869	1,169,877
1932.....	1,380,527	1,116,236	100,548	12,260	189,048	7	16,023	1,147,407
1933.....	1,514,410	1,213,110	65,894	28,889	194,268	16,892	17,851	1,241,610
Springfield.....	62,760	51,556	3,897	1,066	9,754	367	570	50,403
Baltimore.....	84,310	65,538	7,071	3,245	10,620	849	1,425	69,621
Columbia.....	78,680	53,703	6,048	1,694	16,304	987	-----	59,686
Louisville.....	149,910	123,928	4,820	9,494	15,261	1,304	2,269	128,059
New Orleans.....	126,351	89,392	5,585	1,050	18,327	2,553	1,454	101,326
St. Louis.....	135,988	109,731	7,672	2,070	15,788	1,858	972	114,788
St. Paul.....	178,922	126,959	7,784	5,110	26,267	3,003	83	138,549
Omaha.....	214,613	188,171	851	392	20,030	978	3,841	181,929
Wichita.....	104,407	87,061	8,378	357	12,102	746	1,185	88,132
Houston.....	184,820	165,279	5,368	3,907	18,761	1,668	5,525	154,783
Berkeley.....	72,110	60,423	3,740	187	10,819	301	527	57,964
Spokane.....	121,540	91,369	4,680	315	20,234	1,978	-----	96,370

¹ Less payments on principal and principal of delinquent and extended installments

² Less amounts sold under repurchase agreements

³ The ownership of stock outstanding on Dec. 31, 1933, was as follows: United States Government, \$124,648,000, National farm loan associations, \$68,291,000, borrowers through Puerto Rico branch, \$684,000, other borrowers, \$644,000.

⁴ Less impairment.

⁵ Not including special reserves set up against particular assets

⁶ Unmatured. Figures for 1932 include \$18,500,000 of bonds issued to the Reconstruction Finance Corporation and for 1933, \$142,118,000.

⁷ Net amount after deducting deficit for Columbia.

Source: Farm Credit Administration

No. 271.—JOINT-STOCK LAND BANKS: PRINCIPAL ASSETS AND LIABILITIES AS OF DECEMBER 31

NOTE.—Banks in receiverships are not included. Banks are grouped according to the Federal land bank district in which they are located, however, the charter territory of a joint-stock land bank does not necessarily lie within 1 Federal land bank district. The Farm Mortgage Act of 1933 prohibited the joint-stock banks from making new loans, except in connection with refinancing of existing loans, and provided for the orderly liquidation of the banks

[All figures in thousands of dollars]

Federal land bank district, bank, and location	Total assets	Mortgage loans ¹	Capital paid in	Surplus reserves, etc. ²	Farm-loan bonds ³
All banks					
1932.....	485,861	409,450	35,073	12,059	425,317
1933.....	441,805	353,683	34,986	13,344	367,044
District No 1					
New York, Rochester, N Y.....	11,209	8,517	800	284	9,866
District No 2					
Potomac, Washington, D C.....	4,693	3,715	400	47	4,205
Virginia-Carolina, Elizabeth City, N C.....	5,495	4,056	400	56	4,871
Maryland-Virginia, Baltimore, Md.....	2,211	1,885	250	172	1,763
Pennsylvania, Philadelphia, Pa.....	5,592	4,707	419	259	4,799
Virginia, Charleston, W Va.....	11,685	9,542	1,150	419	9,658
Greenbrier, Charleston, W Va.....	1,695	1,521	250	4	1,330
District No 3					
Atlantic, Raleigh, N C.....	12,476	9,308	908	496	10,946
Greensboro, Greensboro, N C.....	4,207	3,051	250	148	3,703
North Carolina, Durham, N C.....	12,442	7,777	700	594	10,373
First Carolinas, Columbia, S C.....	8,899	5,062	785	309	6,647
Atlanta, Atlanta, Ga.....	5,247	3,582	350	94	4,430
District No 4					
Mississippi, Memphis, Tenn.....	3,793	2,553	350	111	3,047
Tennessee, Memphis, Tenn.....	3,281	2,657	250	127	2,765
Kentucky, Lexington, Ky.....	7,823	6,967	650	275	5,991
Louisville, Louisville, Ky.....	4,495	3,100	500	472	3,896
Union, Louisville, Ky.....	2,226	1,488	250	48	1,983
First, Fort Wayne, Ind.....	6,905	5,497	400	177	5,860
Fletcher, Indianapolis, Ind.....	15,485	14,141	750	956	13,293
Indianapolis, Indianapolis, Ind.....	1,094	990	250	40	783
La Fayette, La Fayette, Ind.....	8,423	7,058	300	201	7,500
Union Trust, Indianapolis, Ind.....	629	559	250	157	216
District No 5					
First, Montgomery, Ala.....	7,131	5,242	550	495	6,600
First, New Orleans, La.....	3,321	2,136	250	138	2,759
District No 6					
Corn Belt, Taylorville, Ill.....	864	791	250	27	580
First Trust, Chicago, Ill.....	67,859	57,939	4,600	650	59,313
Illinois, Monticello, Ill.....	5,885	4,839	450	38	5,345
Illinois Midwest, Edwardsville, Ill.....	4,744	3,600	350	458	4,486
Phoenix, Kansas City, Mo.....	21,696	17,010	1,650	3,099	16,586
Southwest, Little Rock, Ark.....	3,907	2,963	285	211	2,862
District No 7					
Minneapolis Trust, Minneapolis, Minn.....	4,620	2,497	450	476	3,830
Union, Detroit, Mich.....	18,712	15,206	1,370	236	15,950
District No 8					
Burlington, Des Moines, Iowa.....	2,107	1,431	250	87	1,443
Des Moines, Des Moines, Iowa.....	7,152	4,904	1,150	533	3,899
Iowa, Sioux City, Iowa.....	6,537	5,844	500	23	5,690
Fremont, Lincoln, Nebr.....	6,592	4,117	800	194	5,048
Lincoln, Lincoln, Nebr.....	26,139	18,266	2,711	388	22,093
District No 9					
Denver, Denver, Colo.....	13,181	11,548	1,185	347	10,135
District No 10					
Dallas, Dallas, Tex.....	34,762	29,886	2,431	781	30,591
First Texas, Houston, Tex.....	7,222	5,868	550	259	6,151
San Antonio, San Antonio, Tex.....	16,887	14,611	1,227	770	13,776
District No 11					
California, San Francisco, Calif.....	13,303	11,642	916	834	11,270
Pacific Coast, San Francisco, Calif.....	15,230	13,394	1,400	542	9,416
Pacific Coast, Salt Lake City, Utah.....	3,755	3,266	300	214	2,522
District No 12					
Oregon-Washington, Portland, Oreg.....	3,074	2,174	250	53	2,583
Pacific Coast, Portland, Oreg.....	7,177	6,176	450	293	5,956

¹ Less payments on principal and principal of delinquent installments

² Surplus, reserves (except special reserves set up against particular assets) and undivided profits The totals for all banks represent net amounts after deducting deficits of \$1,843,000 in 1932 and \$753,000 in 1933, shown by several banks

³ Outstanding unmaturing

⁴ Deficit.

Source Farm Credit Administration.

No. 272.—FEDERAL INTERMEDIATE CREDIT BANKS: PRINCIPAL ASSETS AND LIABILITIES, DECEMBER 31
 [All figures in thousands of dollars]

	Assets				Liabilities		
	Total	Cooperative associations	Financing institutions	Cash on hand and in banks ¹	Capital paid in ²	Surplus, reserves, and undivided profits ³	Debentures outstanding (unmatured)
All banks							
1925.....	126,135	53,780	26,272	3,169	24,000	1,820	58,699
1926.....	135,008	52,704	39,730	3,536	25,000	1,546	68,580
1927.....	120,209	31,991	43,924	3,743	25,000	1,682	51,150
1928.....	121,875	36,174	45,103	3,178	27,000	1,934	44,875
1929.....	115,288	26,073	50,018	2,708	30,000	2,210	49,510
1930.....	168,553	64,377	65,633	4,227	30,000	3,239	102,475
1931.....	157,861	43,322	74,613	3,694	30,000	3,947	78,840
1932.....	137,172	9,866	82,518	7,820	32,000	2,166	72,270
1933.....	5 195,649	15,211	134,252	8,317	60,000	3,579	5 128,585
Springfield.....	10,383	1,711	2,337	1,454	5,000	598	4,500
Baltimore.....	6,969	1,175	1,136	362	5,000	398	1,500
Columbia.....	6,939	3,395	889	292	5,000	624	2,500
Louisville.....	7,764	1,348	1,617	765	5,000	492	2,200
New Orleans.....	8,691	1,354	2,893	1,110	5,000	584	2,900
St. Louis.....	8,032	532	3,083	626	5,000	509	2,400
St. Paul.....	27,348	215	23,417	417	5,000	706	21,250
Omaha.....	24,067	26	20,505	367	5,000	671	17,750
Wichita.....	20,615	75	15,846	1,020	5,000	586	14,650
Houston.....	23,786	85	21,185	187	5,000	830	17,185
Berkeley.....	19,728	3,669	13,938	1,167	5,000	1,648	16,200
Spokane.....	32,035	1,325	27,218	549	5,000	479	25,550

¹ Excludes cash held as collateral

² The original authorized capital of each bank was \$5,000,000, subscribed by the Secretary of the Treasury, subject to call. By the end of 1933, the entire amount had been called and paid in.

³ Net amounts after deducting deficits for Columbia, 1926 to 1933, and also for Berkeley for 1932 and 1933.

⁴ Excludes loans in suspense amounting to \$1,933,000.

⁵ Total is less than the sum of the figures for the individual banks because of interbank holdings of debentures.

⁶ Deficit.

No. 273.—FEDERAL INTERMEDIATE CREDIT BANKS: LOANS TO COOPERATIVE ASSOCIATIONS, BY COMMODITIES, AND LOANS TO AND DISCOUNTS FOR FINANCING INSTITUTIONS, BY TYPE OF INSTITUTION AND BY PURPOSE

[All figures in thousands of dollars]

	Loans and discounts during—			Amounts outstanding Dec 31—						
	1931	1932	1933 ¹	1927	1928	1929	1930	1931	1932	1933
Cooperative associations.....	145,260	89,245	20,487	31,991	36,174	26,073	64,377	45,255	9,866	15,211
Cotton.....	59,106	34,147	2,350	14,944	23,099	12,031	39,173	15,767	2,274	6,200
Tobacco.....		696	1,079	4,299	1,565				686	613
Wheat and other grains.....	36,685	14,026	1,263	2,537	2,483	4,412	3,436	10,457	455	808
Redtop, blue grass, alfalfa, and clover seed.....	2,745	1,275	2,458	106	111	94	537	1,786	1,084	926
Canned fruit and vegetables.....	8,378	3,588	3,964	1,142	2,118	1,326	2,771	2,516	1,605	1,140
Raisins and other dried fruits.....	2,646	5,397	2,410	6,395	4,679	3,182	5,510	4,180	945	2,349
Peanuts and other nuts.....	111	99	69					57	10	966
Beans.....	1,065			310	124	489	1,365	312		
Wool and mohair.....	28,136	24,461	3,498	411	564	2,935	9,088	6,168	848	438
Rice.....	2,347	1,510	1,052	1,815	1,360	1,479	2,109	1,279	530	816
All other.....	4,042	4,046	2,314	32	70	126	387	2,733	1,428	956
Financing institutions.....	122,733	151,578	222,847	43,924	45,103	50,018	65,633	74,613	82,518	134,252
For—										
Production credit associations.....										27
Regional agricultural credit corporations.....			97,084							73,236
Agricultural credit corporations.....	55,611	53,280		22,528	20,991	21,009	30,408	30,848	30,882	60,631
Livestock loan companies.....	63,154	94,969	124,170	21,214	23,784	26,917	32,848	41,889	49,641	
Banks and trust companies.....	3,968	3,329	1,587	183	328	2,092	2,377	1,877	1,994	
Purpose—										
Cattle production.....	48,649	68,347	86,777	17,932	20,541	24,109	30,909	31,445	37,947	52,407
Other livestock production.....	27,746	42,237	71,650	15,574	15,663	11,203	15,349	19,507	21,186	48,129
General agriculture.....	46,338	40,994	64,420	10,418	8,898	14,706	19,375	23,662	23,385	33,717

¹ Figures cover Jan. 1 to Nov. 30, 1933. Advances to cooperative associations during entire year 1933 totaled \$27,910,000 and to financing institutions, \$251,751,000, detail by commodities, etc., not available.

Source of Tables 272 and 273: Farm Credit Administration.

No. 274.—FEDERAL HOME LOAN BANKS: PRINCIPAL ASSETS AND LIABILITIES, DECEMBER 31, 1933

[All figures in thousands of dollars]

Bank	Assets				Liabilities			
	Total	Loans outstand- ing	Govern- ment se- curities	Cash	Capital stock out- standing		Subscrip- tions to stock less balance due ¹	Reserve and un- divided profits
					Members	United States Govern- ment		
All banks-----	95,558	28,442	2,322	4,218	10,908	75,746	4,521	205
Boston-----	6,051	24,767	851	401	454	5,000	583	354
Newark-----	10,891	10,122	-----	702	1,210	9,000	581	32
Pittsburgh-----	9,071	8,048	749	228	1,063	7,700	192	36
Winston-Salem-----	7,016	6,916	-----	70	1,079	5,500	325	26
Cincinnati-----	19,649	18,175	73	1,280	2,242	12,776	1,232	151
Indianapolis-----	7,566	27,138	-----	415	1,468	5,700	233	32
Chicago-----	11,290	10,847	-----	356	1,454	9,500	102	56
Des Moines-----	4,994	24,795	-----	184	296	4,400	250	1
Little Rock-----	7,024	6,779	-----	184	651	5,800	396	35
Topeka-----	4,768	24,525	-----	211	276	4,200	293	37
Portland-----	3,195	23,016	-----	158	186	2,810	157	13
Los Angeles-----	4,043	23,316	649	51	529	3,360	177	45

¹ Members and applicants

² Figures include loans to the Federal Home Loan Bank of Cincinnati as follows: All banks, \$3,000,000, Boston, Indianapolis, Des Moines, Topeka, Portland, and Los Angeles, each, \$500,000, all other loans are to members

³ Deficit

Source: Federal Farm Loan Board

No. 275.—HOME OWNERS LOAN CORPORATION: APPLICATIONS FOR LOANS AND LOANS CLOSED FROM DATE OF OPENING TO JUNE 1, 1934

[Amounts in thousands of dollars]

District and State	Applications received		Loans closed		District and State	Applications received		Loans closed	
	Number	Amount	Number	Amount		Number	Amount	Number	Amount
United States ¹	1,421,307	4,555,577	274,980	822,830					
District No. 1-----	245,109	1,196,749	47,504	229,296	District No. 4-----	308,795	986,507	49,195	140,023
Maine-----	3,861	9,713	720	1,750	Indiana-----	71,071	170,736	13,898	31,378
N. Hampshire-----	2,684	6,958	1,099	2,652	Illinois-----	83,045	319,923	3,251	12,615
Vermont-----	1,766	4,854	705	1,871	Michigan-----	113,879	328,614	25,936	73,715
Massachusetts-----	39,681	175,417	8,897	39,345	Wisconsin-----	40,800	161,234	6,110	22,316
Rhode Island-----	10,014	42,555	2,803	11,243	District No. 5-----	218,895	477,464	50,281	109,587
Connecticut-----	19,559	96,605	4,411	20,030	Minnesota-----	26,392	65,865	5,207	11,903
New York-----	100,821	513,128	18,184	99,561	Iowa-----	26,393	53,090	3,869	7,757
New Jersey-----	66,723	347,518	10,685	52,845	N. Dakota-----	6,144	12,818	2,036	4,530
District No. 2-----	292,635	1,004,959	51,398	159,147	S. Dakota-----	7,563	13,922	2,689	5,000
Pennsylvania-----	61,711	209,980	6,179	19,839	Nebraska-----	15,300	33,541	3,535	7,136
Delaware-----	1,879	6,208	699	2,143	Kansas-----	25,067	42,978	5,831	10,777
Maryland-----	22,726	69,754	6,333	17,732	Oklahoma-----	32,325	75,151	8,805	20,030
Dist. of Col-----	3,346	21,019	555	3,373	Texas-----	58,564	138,162	13,494	32,819
Virginia-----	14,759	44,492	3,081	9,850	Colorado-----	16,263	33,910	3,737	7,207
West Virginia-----	13,652	35,433	1,955	5,042	New Mexico-----	3,884	8,029	1,078	2,410
Ohio-----	174,562	618,074	32,547	101,118	District No. 6-----	153,308	408,376	32,934	78,233
District No. 3-----	197,565	481,522	43,668	108,564	Montana-----	5,663	10,178	1,430	2,752
N. Carolina-----	15,334	40,508	2,338	6,445	Idaho-----	4,858	7,930	1,248	2,099
S. Carolina-----	6,827	16,274	1,921	4,505	Wyoming-----	3,002	6,228	896	2,085
Georgia-----	16,732	37,051	4,451	9,365	Utah-----	11,460	27,613	3,363	7,812
Florida-----	19,355	45,974	5,338	12,651	Nevada-----	1,427	3,957	721	1,915
Kentucky-----	18,220	42,308	3,699	11,365	Arizona-----	8,083	19,152	2,318	5,708
Tennessee-----	17,442	39,000	3,856	8,534	Washington-----	31,151	57,935	5,326	9,432
Alabama-----	21,342	47,590	4,751	11,157	Oregon-----	13,526	30,014	3,589	7,019
Mississippi-----	15,653	25,918	3,163	5,811	California-----	77,807	240,717	13,892	38,998
Missouri-----	31,922	102,998	6,084	18,115	Hawaii-----	1,331	4,652	151	413
Arkansas-----	16,721	28,542	3,566	6,635					
Louisiana-----	19,017	55,359	4,261	11,981					

¹ Includes Hawaii

Source: Federal Home Loan Bank Board

No. 276.—RECONSTRUCTION FINANCE CORPORATION: AMOUNTS DISBURSED AND REPAID ON LOANS, SUBSCRIPTIONS, PURCHASES, AND ALLOCATIONS FROM FEBRUARY 2, 1932, TO DECEMBER 31, 1933, AND AMOUNTS OUTSTANDING AT CLOSE OF THE PERIOD

[All figures in thousands of dollars]

	1932		1933		Total to Dec 31, 1933		Outstanding Dec 31, 1933
	Disbursed	Repaid	Disbursed	Repaid	Disbursed	Repaid	
Total loans, subscriptions, purchases, and allocations.....	1,642,567	314,948	2,384,195	760,972	4,026,762	1,075,920	2,950,842
Loans, subscriptions, and purchases.....	1,524,747	299,948	1,778,408	742,672	3,301,155	1,042,620	2,258,635
Under sec. 5, of the Reconstruction Finance Corporation Act ¹	1,427,603	299,833	1,156,943	734,593	2,584,546	1,034,426	1,550,120
Banks and trust companies ²	850,861	256,249	578,695	461,876	1,429,556	718,125	711,431
Building and loan associations ⁴	93,863	9,616	19,188	37,196	113,051	46,812	66,239
Insurance companies.....	68,038	5,589	19,644	21,164	87,682	26,753	60,929
Mortgage loan companies.....	88,423	11,322	126,042	25,293	214,465	36,615	177,850
Credit unions.....	440	9	139	58	579	67	512
Federal land banks.....	18,500	-----	123,618	-----	142,118	-----	142,118
Joint-stock land banks.....	2,528	63	12,420	744	14,948	807	14,141
Federal intermediate credit banks.....	-----	-----	9,250	9,250	9,250	9,250	-----
Agricultural credit corporations.....	3,457	1,082	1,729	2,412	5,186	3,494	1,692
Regional agricultural credit corporations.....	5,372	1	149,782	125,268	155,154	125,269	29,885
Livestock credit corporations.....	11,810	4,062	758	6,082	12,568	10,144	2,424
Railroads ⁵	284,311	11,840	109,783	45,175	394,094	57,015	337,079
Processors or distributors subject to processing taxes.....	-----	-----	7	-----	7	-----	7
State funds created for insuring repayment of deposits of public moneys.....	-----	-----	5,888	75	5,888	75	5,813
Under the Emergency Relief and Construction Act of 1932 ¹	97,144	115	345,030	4,621	442,174	4,736	437,438
Self-liquidating projects ⁶	15,737	-----	47,866	152	63,603	152	63,451
Financing exports of agricultural surpluses.....	-----	-----	7,143	248	7,143	248	6,895
Financing of agricultural commodities and livestock.....	1,440	115	70,003	3,251	71,443	3,366	68,077
Relief and work relief.....	79,967	-----	220,018	970	299,985	970	299,015
Under act approved Mar. 9, 1933 ²	-----	-----	264,346	158	264,346	158	264,188
Loans on preferred stock of banks and trust companies.....	-----	-----	14,358	71	14,358	71	14,287
Subscriptions for preferred stock of banks and trust companies.....	-----	-----	132,998	87	132,998	87	132,911
Purchases of capital notes or debentures of banks and trust companies.....	-----	-----	116,990	-----	116,990	-----	116,990
Under Agricultural Adjustment Act of 1933 Loan to Secretary of Agriculture for purchase of cotton.....	-----	-----	3,300	3,300	3,300	3,300	-----
Under act approved June 10, 1933. ³ Loans on preferred stock of insurance companies.....	-----	-----	4,375	-----	4,375	-----	4,375
Under Emergency Farm Mortgage Act of 1933 ⁴ Loans to drainage, levee, and irrigation districts.....	-----	-----	2,414	-----	2,414	-----	2,414
Allocations.....	117,820	15,000	607,787	18,300	725,607	33,300	692,307
For relief Federal Emergency Relief Act of 1933 ¹	-----	-----	314,961	-----	314,961	-----	314,961
To other Government agencies.....	117,820	15,000	292,826	18,300	410,646	33,300	377,346
To Secretary of the Treasury for Purchase of stock of Federal home loan banks.....	820	-----	74,926	-----	75,746	-----	75,746
Purchase of stock of Home Owners' Loan Corporation.....	-----	-----	19,000	-----	19,000	-----	19,000
To Land Bank Commissioner.....	-----	-----	82,600	-----	82,600	-----	82,600
To Secretary of Agriculture.....	-----	-----	-----	-----	-----	-----	-----
Crop loans.....	75,000	15,000	60,000	5,000	135,000	20,000	115,000
Reallocated as capital regional agricultural credit corporations.....	42,000	-----	15,800	7 13,300	57,800	7 13,300	44,500
Reallocated to Governor of Farm Credit Administration.....	-----	-----	40,500	-----	40,500	-----	40,500

¹ The Federal Emergency Relief Act of 1933 directed the corporation to make available \$500,000,000 to the Federal Emergency Relief Administrator for relief expenditures. Under this act the corporation disbursed \$314,961,000 as of Dec 31, 1933. These were outright grants not subject to repayment.

² As amended ³ Including receivers, liquidating agents, and conservators ⁴ Including receivers

⁵ Including receivers and trustees

⁶ Including repairs to buildings damaged by earthquake, fire, tornado, or cyclone in 1933

⁷ Capital reduction.

Source: Reconstruction Finance Corporation.

No. 277.—CLEARING-HOUSE EXCHANGES: SUMMARY FOR UNITED STATES

NOTE.—Prior to 1920 data are for all cities reporting to the New York Clearing House Association, commencing 1920 they are for 153 identical cities. The comparability of these figures is affected (1) by changes in the number of cities reporting, and (2) by the tendency toward consolidation of banks, eliminating former clearings between two or more banks. Debits to individual account (Tables 278 and 279) area more significant measure of volume of payment. The divisions shown in this table, with the exception of the New England, differ from the geographical divisions shown in most tables in the Abstract. The Eastern division includes the States comprising the Middle Atlantic division in other tables (see for example Table 251) and Delaware, Maryland, and District of Columbia of the South Atlantic division, the Southern includes the other six South Atlantic States, the East South Central and the West South Central States with the exception of Oklahoma, the Middle Western includes the East North Central States, Minnesota, Iowa, and Missouri, the Western, North Dakota, South Dakota, Nebraska, Kansas, Oklahoma, Montana, Wyoming, and Colorado, the Pacific, Washington, Oregon, California, Idaho, Utah, Nevada, and Arizona.

[All figures in millions of dollars]

Year ended Sept 30—	United States	Outside New York City	New York City	Year ended Sept 30—	United States	Outside New York City	New York City
1882.....	61,054	14,501	46,553	1892.....	60,884	24,604	36,280
1883.....	53,536	13,243	40,293	1893.....	55,881	24,460	34,421
1884.....	47,387	13,295	34,092	1894.....	45,028	20,798	24,230
1885.....	37,770	12,519	25,251	1895.....	50,975	22,711	28,264
1886.....	48,212	14,837	33,375	1896.....	51,936	22,585	29,351
1887.....	52,127	17,254	34,873	1897.....	54,180	22,842	31,338
1888.....	48,751	17,887	30,864	1898.....	65,925	26,072	39,853
1889.....	53,501	18,705	34,796	1899.....	88,820	31,461	57,368
1890.....	59,832	22,221	37,661	1900.....	84,582	32,618	51,965
1891.....	57,181	23,127	34,054	1901.....	114,820	37,799	77,021

Year ended Sept. 30—	United States		New England division	Eastern division		Southern division	Middle Western division	Western division	Pacific division
	Total	Outside New York City		Total	New York City				
1902.....	115,892	41,139	7,861	84,892	74,753	2,899	17,262	793	2,185
1903.....	113,963	43,130	7,796	81,533	70,834	3,266	17,979	838	2,551
1904.....	102,356	42,684	7,331	69,507	59,673	3,695	18,376	830	2,618
1905.....	140,502	48,623	8,467	103,765	91,879	4,016	20,097	964	3,194
1906.....	157,681	53,927	9,245	117,034	103,754	4,606	21,877	1,110	3,810
1907.....	154,477	59,161	9,712	108,662	95,315	5,113	24,746	1,884	4,860
1908.....	126,239	52,608	8,115	85,343	73,631	4,485	23,145	1,882	3,763
1909.....	158,877	59,620	9,372	111,501	99,258	5,108	26,682	1,700	4,514
1910.....	168,987	66,433	9,707	116,778	102,554	5,951	29,148	1,980	5,422
1911.....	159,540	67,119	9,616	106,742	92,420	6,528	29,062	1,938	5,654
1912.....	168,686	72,014	10,278	111,672	96,672	7,446	30,910	2,043	6,338
1913.....	173,193	75,071	9,807	114,490	98,122	8,750	33,338	2,221	6,647
1914.....	163,850	74,089	9,400	105,474	89,760	6,774	33,567	2,278	6,357
1915.....	163,189	72,347	9,022	105,793	90,843	6,411	33,442	2,410	6,112
1916.....	242,236	95,055	12,211	167,897	147,181	8,830	42,671	3,248	7,379
1917.....	305,062	123,528	14,433	208,061	181,534	11,771	56,149	4,485	10,163
1918.....	320,989	146,464	16,975	205,810	174,524	15,577	63,621	6,599	12,406
1919.....	387,854	173,151	19,237	252,255	214,703	20,707	72,366	7,695	15,594
1920.....	<i>463,521</i>	<i>211,183</i>	<i>22,378</i>	<i>297,491</i>	<i>252,338</i>	<i>27,452</i>	<i>86,237</i>	<i>9,475</i>	<i>20,488</i>
1920.....	454,309	201,971	22,378	297,183	252,338	24,422	82,830	8,337	19,159
1921.....	368,680	164,598	17,334	242,886	204,082	17,326	67,874	6,254	17,006
1922.....	373,902	160,575	18,039	251,070	213,327	16,849	64,301	5,870	17,773
1923.....	401,957	187,336	21,801	259,164	214,621	19,912	73,644	6,140	21,298
1924.....	428,094	192,595	23,357	280,734	235,499	21,495	73,886	5,693	22,929
1925.....	438,520	211,646	25,080	327,519	276,874	24,152	81,499	6,060	24,240
1926.....	517,517	224,074	27,881	346,781	293,443	25,450	84,261	6,150	26,965
1927.....	528,165	221,006	29,319	358,684	307,159	23,134	83,973	6,118	26,887
1928.....	596,554	227,636	29,868	420,339	368,918	22,562	87,242	6,595	30,009
1929.....	694,227	237,289	29,846	512,177	456,938	23,125	91,102	6,946	31,022
1930.....	612,750	213,278	29,025	451,017	399,472	20,668	78,553	6,344	27,143
1931.....	449,250	161,615	22,462	327,627	287,735	15,563	57,588	5,113	20,899
1932.....	284,496	107,190	14,003	204,267	177,306	11,502	36,366	3,583	14,776
1933.....	240,034	85,462	11,008	176,941	154,572	9,926	27,456	2,807	11,897

¹ As stated in the headnote, figures prior to 1920 cover all cities reporting, while figures for subsequent years cover only cities which reported the entire period 1920 to 1933. Figures for 1920 in italics have been compiled to cover the same cities as were included in the 1919 figures.

² Total clearings of 232 cities reporting in 1933 amounted to \$245,547,000 compared with \$291,500,000 reported by these cities in 1932.

Source: Comptroller of the Currency, Treasury Department.

No. 278.—DEBITS TO INDIVIDUAL ACCOUNTS: VOLUME REPORTED BY BANKS IN 141 PRINCIPAL CITIES, BY DISTRICTS AND BY MONTHS

NOTE.—All figures in millions of dollars. Figures represent debits to accounts of individuals, firms, and corporations, and of the United States Government, including war loan deposit accounts, also debits to savings accounts, payments from trust accounts, and certificates of deposits paid. Figures do not include debits to the accounts of other banks or in settlement of clearing-house balances, payment of cashiers' checks, charges to expense and miscellaneous accounts, corrections, and similar charges.

Year	Total	Total, excl. New York City	New York City	Boston district (11 cities)	New York dis- trict (7 cities)		Phila- delphia district (10 cities)	Cleve- land district (13 cities)	Rich- mond district (7 cities)
					Total	Excl. New York			
1919.....	455,294	211,175	244,119	25,898	250,880	6,761	19,496	23,559	8,611
1920.....	483,026	241,596	241,430	28,137	249,375	7,945	22,092	27,677	9,635
1921.....	399,036	191,941	207,095	21,736	213,911	6,816	18,690	21,105	8,235
1922.....	439,364	199,509	239,855	22,392	247,067	7,212	19,985	22,290	7,716
1923.....	463,726	225,330	238,396	24,851	246,493	8,097	22,301	26,140	8,501
1924.....	491,691	228,161	263,530	25,675	271,861	8,331	22,773	25,775	8,298
1925.....	570,064	256,690	313,374	29,014	322,843	9,469	25,253	28,726	9,193
1926.....	607,956	268,901	339,055	31,033	345,833	9,778	26,248	30,022	9,336
1927.....	673,861	282,303	361,558	33,566	401,819	10,260	27,291	32,150	9,231
1928.....	806,405	306,193	500,211	34,228	511,584	11,374	30,463	33,117	9,085
1929.....	935,027	331,938	603,089	37,472	616,060	12,972	33,440	36,025	9,379
1930.....	661,957	277,317	384,439	30,221	395,354	10,714	26,690	31,256	8,895
1931.....	481,357	217,523	263,834	24,153	272,183	8,349	21,662	24,079	7,661
1932.....	322,366	154,401	167,964	17,727	174,577	6,613	14,811	15,427	5,994
1933 (11 months) ¹	282,706	134,257	148,449	15,556	154,108	5,659	12,970	13,011	4,852

Year	Atlanta district (15 cities)	Chicago district (21 cities)			St Louis district (5 cities)	Minne- apolis district (9 cities)	Kansas City district (15 cities)	Dallas district (10 cities)	San Fran- cisco district (18 cities)
		Total	City of Chicago	Excl. Chicago					
1919.....	11,139	50,669	33,595	17,074	12,920	8,240	14,814	6,165	22,903
1920.....	12,812	59,066	37,954	21,112	13,542	8,902	16,322	7,240	28,226
1921.....	9,383	40,837	30,832	16,005	10,401	6,788	12,207	5,807	23,937
1922.....	9,579	49,304	32,331	16,973	10,939	6,971	12,550	6,010	24,562
1923.....	11,137	55,367	35,279	20,088	12,794	7,495	13,494	6,217	28,936
1924.....	11,721	55,995	35,723	20,272	12,812	8,240	12,778	6,227	29,535
1925.....	13,913	63,575	40,470	23,105	14,385	9,039	14,193	7,197	32,731
1926.....	14,264	67,217	42,839	24,378	14,741	8,301	14,824	7,474	35,663
1927.....	13,700	70,185	45,970	24,225	14,750	8,699	15,088	7,782	39,470
1928.....	13,707	79,082	51,182	27,900	15,495	9,297	16,082	8,415	45,070
1929.....	14,267	88,910	58,739	30,171	16,651	10,139	17,818	9,196	46,873
1930.....	11,923	72,434	47,094	25,340	13,031	8,662	15,770	7,766	39,924
1931.....	9,919	55,257	35,065	20,192	10,464	6,710	11,930	6,084	31,255
1932.....	7,350	38,043	23,823	14,220	7,832	5,038	8,644	4,666	22,256
1933 (11 months) ¹	6,445	32,129	21,939	10,190	6,987	5,079	7,875	4,339	19,356

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept.	Oct	Nov	Dec.
All districts												
1927.....	54,715	48,220	58,518	55,583	54,143	56,820	53,682	53,702	56,750	59,201	57,085	65,441
1928.....	62,885	54,494	70,634	67,003	71,616	72,485	58,681	58,504	63,176	72,894	71,349	82,386
1929.....	82,814	70,777	83,524	74,750	76,535	69,666	77,631	77,344	77,617	95,527	82,090	66,752
1930.....	60,423	52,625	65,723	62,946	61,811	62,312	52,744	45,993	48,636	54,460	42,176	52,107
1931.....	46,253	38,031	47,011	46,440	43,930	45,299	39,451	34,027	36,700	38,802	29,069	36,345
1932.....	33,569	27,251	29,889	29,923	25,411	27,103	25,239	25,215	25,931	25,298	20,756	26,787
1933.....	24,466	22,437	(1)	22,628	25,486	29,711	31,232	25,452	24,555	26,307	24,131	26,301
All districts, excl. New York City:												
1927.....	23,457	20,781	24,026	23,576	22,873	23,812	22,932	22,048	23,381	25,111	23,803	26,503
1928.....	25,001	21,753	25,847	25,225	26,346	27,029	23,897	23,401	24,450	27,705	25,880	29,659
1929.....	28,965	24,459	26,099	26,770	26,492	26,494	28,416	28,310	27,274	32,202	28,456	26,902
1930.....	25,661	21,508	24,983	24,315	24,388	24,621	23,145	20,941	21,253	23,679	19,686	23,107
1931.....	21,697	17,084	19,421	19,620	18,858	19,406	18,444	16,526	16,627	18,125	14,605	17,112
1932.....	15,893	12,870	13,729	14,366	12,498	12,901	12,511	11,756	11,767	12,354	10,935	12,820
1933.....	12,053	10,401	(1)	10,616	11,509	12,969	13,878	12,673	12,215	13,027	11,927	13,287
New York City												
1927.....	31,258	27,439	34,492	32,007	31,270	33,008	30,750	31,653	33,369	34,091	33,282	38,938
1928.....	37,884	32,740	44,786	41,778	45,270	45,455	35,085	35,102	38,725	45,189	45,469	52,727
1929.....	54,719	46,249	55,425	47,979	50,043	43,283	49,215	49,034	50,342	63,325	53,604	39,850
1930.....	34,732	31,117	40,740	38,631	37,423	37,690	29,600	25,052	27,883	30,781	22,490	29,001
1931.....	24,557	20,948	27,589	26,821	25,072	25,893	21,007	17,501	20,373	20,678	14,464	19,233
1932.....	17,676	14,381	16,160	15,558	12,913	14,202	12,728	13,458	14,163	12,944	9,815	13,967
1933.....	12,413	12,037	(1)	12,012	13,977	16,743	17,354	13,076	12,340	13,280	12,204	13,013

¹ Figures for March not available.

Source Federal Reserve Board.

No. 279.—DEBITS TO INDIVIDUAL ACCOUNTS: VOLUME REPORTED BY BANKS IN 141 PRINCIPAL CITIES

NOTE.—All figures in millions of dollars. For totals by districts see Table 278

District and city	1925	1926	1927	1928	1929	1930	1931	1932	1933 ¹
Boston district:									
Bangor, Me.....	167	181	185	188	199	190	157	116	114
Boston, Mass.....	21,500	23,450	25,240	25,268	27,540	22,074	17,346	12,603	11,128
Fall River, Mass.....	401	355	376	371	354	277	234	164	152
Hartford, Conn.....	1,565	1,682	2,236	2,568	3,084	2,469	2,110	1,598	1,454
Holyoke, Mass.....	199	196	243	217	190	170	142	110	94
Lowell, Mass.....	249	247	243	239	254	223	196	145	130
New Bedford, Mass.....	404	360	364	322	373	297	236	163	149
New Haven, Conn.....	1,164	1,206	1,289	1,403	1,508	1,355	1,159	843	624
Providence, R. I.....	1,984	1,958	1,968	2,176	2,374	1,822	1,514	1,185	1,059
Waterbury, Conn.....	455	469	489	549	600	439	351	254	234
Worcester, Mass.....	926	929	943	928	995	845	707	540	417
New York district:									
Albany, N. Y.....	1,544	1,608	1,758	1,853	2,172	2,213	1,684	1,764	1,589
Binghamton, N. Y.....	263	270	279	299	330	285	233	189	159
Buffalo, N. Y.....	4,208	4,322	4,437	5,226	6,283	4,736	3,532	2,454	2,066
New York, N. Y.....	313,373	339,055	391,558	500,211	603,089	384,639	268,834	167,964	148,449
Passaic, N. J.....	491	510	547	579	562	493	432	293	173
Rochester, N. Y.....	2,076	2,106	2,194	2,273	2,370	1,907	1,577	1,228	1,035
Syracuse, N. Y.....	888	961	1,046	1,144	1,255	1,081	890	686	637
Philadelphia district:									
Altoona, Pa.....	189	197	207	207	211	192	146	112	82
Chester, Pa.....	304	322	275	316	325	294	229	158	119
Lancaster, Pa.....	366	351	351	396	433	397	316	203	146
Philadelphia, Pa.....	21,109	21,938	22,840	25,678	28,253	22,254	17,007	11,907	10,445
Scranton, Pa.....	882	915	923	931	922	790	610	467	407
Trenton, N. J.....	820	871	905	968	1,038	908	924	703	584
Wilkes-Barre, Pa.....	589	565	587	611	570	463	410	328	256
Williamsport, Pa.....	215	230	249	253	272	211	171	114	73
Wilmington, Del.....	504	581	670	807	1,099	885	684	501	454
York, Pa.....	274	279	283	298	317	290	241	180	154
Cleveland district:									
Akron, Ohio.....	1,081	1,130	1,218	1,343	1,442	1,170	942	584	362
Cleveland, Ohio.....	8,359	9,088	9,793	10,188	11,439	9,882	7,822	4,889	3,842
Columbus, Ohio.....	1,766	1,926	2,017	2,063	2,319	2,205	1,788	1,141	996
Dayton, Ohio.....	936	1,058	1,132	1,166	1,299	1,066	864	523	403
Erie, Pa.....	412	434	435	454	497	467	375	246	182
Greensburg, Pa.....	250	249	270	260	255	236	100	63	42
Lexington, Ky.....	277	281	299	297	340	298	235	167	161
Oil City, Pa.....	179	172	186	212	235	196	147	106	65
Pittsburgh, Pa.....	11,316	11,342	12,273	12,190	13,515	11,937	9,101	6,027	5,478
Springfield, Ohio.....	265	289	287	281	299	271	209	138	111
Trolding, Ohio.....	2,494	2,637	2,857	3,354	2,769	2,290	1,492	893	792
Wheeling, W. Va.....	550	568	560	626	627	528	440	319	292
Youngstown, Ohio.....	842	848	854	893	988	812	563	314	285
Richmond district:									
Baltimore, Md.....	5,072	5,205	5,052	4,942	5,217	5,166	4,413	3,384	2,454
Charlotte, N. C.....	590	612	659	690	713	582	500	407	404
Columbia, S. C.....	237	229	281	292	299	303	261	169	139
Greenville, S. C.....	314	336	333	285	272	219	181	124	128
Norfolk, Va.....	865	951	898	859	804	682	566	425	371
Raleigh, N. C.....	406	313	297	297	300	288	259	180	170
Richmond, Va.....	1,709	1,690	1,711	1,720	1,773	1,656	1,480	1,305	1,185
Atlanta district:									
Atlanta, Ga.....	1,905	1,961	1,886	2,026	2,553	1,917	1,625	1,283	1,200
Augusta, Ga.....	348	320	331	331	329	258	207	154	151
Birmingham, Ala.....	1,604	1,726	1,794	1,806	1,785	1,475	1,158	739	635
Chattanooga, Tenn.....	515	582	587	594	632	571	455	320	275
Jacksonville, Fla.....	1,188	1,341	1,047	903	908	834	684	513	477
Knoxville, Tenn.....	383	413	423	441	435	372	307	247	167
Macon, Ga.....	291	287	270	272	245	203	155	113	106
Mobile, Ala.....	423	470	483	482	496	443	350	272	234
Montgomery, Ala.....	292	288	314	333	344	286	205	153	157
Nashville, Tenn.....	978	1,003	1,090	1,220	1,326	1,087	826	640	583
New Orleans, La.....	4,314	4,146	4,189	4,109	4,095	3,531	3,162	2,307	1,920
Pensacola, Fla.....	107	107	96	92	90	80	70	52	51
Savannah, Ga.....	560	603	610	534	522	442	362	286	282
Tampa, Fla.....	904	921	579	468	416	354	298	226	187
Vicksburg, Miss.....	102	96	92	95	91	70	54	45	49
Chicago district:									
Bay City, Mich.....	158	162	157	153	166	139	113	74	54
Bloomington, Ill.....	155	156	157	172	192	173	143	97	75
Cedar Rapids, Iowa.....	500	486	499	546	573	549	468	339	176
Chicago, Ill.....	40,470	42,839	45,970	51,162	58,739	47,094	35,065	23,823	21,939
Davenport, Iowa.....	382	410	432	510	564	566	455	265	140
Decatur, Ill.....	232	240	248	250	258	234	177	121	104
Des Moines, Iowa.....	894	975	986	997	1,022	980	857	696	611
Detroit, Mich.....	9,971	10,482	10,225	13,427	14,759	11,693	9,051	6,255	3,807
Dubuque, Iowa.....	183	185	195	202	190	179	137	86	63
Flint, Mich.....	380	439	524	605	632	446	360	251	151

Footnotes see p. 259.

No. 279.—DEBITS TO INDIVIDUAL ACCOUNTS: VOLUME REPORTED BY BANKS
IN 141 PRINCIPAL CITIES—Continued

District and city	1925	1926	1927	1928	1929	1930	1931	1932	1933 ¹
Chicago district—Continued.									
Fort Wayne, Ind.	522	510	516	560	637	554	434	283	216
Grand Rapids, Mich.	1,026	1,040	995	1,052	1,107	881	754	538	330
Indianapolis, Ind.	1,884	2,207	2,223	2,279	2,503	2,165	1,885	1,462	1,226
Kalamazoo, Mich.	273	292	307	344	358	304	252	176	116
Lansing, Mich.	403	402	385	420	512	362	281	177	100
Milwaukee, Wis.	3,398	3,620	3,700	3,740	3,796	3,532	2,932	2,215	1,988
Peoria, Ill.	554	571	578	644	739	664	501	372	338
Rockford, Ill.	339	381	398	432	470	378	271	133	129
Sioux City, Iowa	1,033	976	867	699	753	678	503	304	280
South Bend, Ind.	594	608	588	596	651	617	445	291	199
Waterloo, Ind.	221	236	244	273	290	246	172	84	77
St. Louis district:									
Evansville, Ind.	472	492	581	582	462	324	269	187	161
Little Rock, Ark.	884	979	954	995	628	494	329	223	187
Louisville, Ky.	2,262	2,358	2,312	2,458	2,524	2,184	1,574	1,248	1,196
Memphis, Tenn.	1,823	1,821	1,952	1,912	2,196	1,681	1,206	988	988
St. Louis, Mo.	8,944	9,090	8,951	9,548	9,841	8,348	7,085	5,187	4,485
Minneapolis district:									
Aberdeen, S. Dak.	84	81	81	90	86	74	60	40	31
Billings, Mont.	91	95	100	117	120	98	84	60	55
Duluth, Minn.	1,277	954	1,112	1,004	1,094	884	611	410	419
Fargo, N. Dak.	173	186	188	229	242	207	179	144	120
Grand Forks, N. Dak.	101	108	99	103	98	84	72	52	37
Helena, Mont.	114	108	109	116	124	105	91	68	64
Minneapolis, Minn.	5,069	4,684	4,838	5,295	6,010	5,081	3,871	2,913	3,196
St. Paul, Minn.	2,037	1,987	2,074	2,148	2,261	2,038	1,669	1,300	1,123
Superior, Wis.	93	98	99	104	105	92	72	51	33
Kansas City district									
Albuquerque, N. Mex.	121	132	144	155	162	151	127	92	70
Bartlesville, Okla.	193	251	286	218	279	314	209	207	225
Colorado Springs, Colo.	185	181	181	202	208	202	169	128	112
Denver, Colo.	2,130	2,159	2,119	2,196	2,434	2,058	1,687	1,231	1,134
Joplin, Mo.	210	222	187	172	185	130	91	72	74
Kansas City, Kans.	237	245	246	247	245	240	185	133	104
Kansas City, Mo.	4,485	4,683	4,556	5,077	5,699	4,986	3,856	2,830	2,659
Muskogee, Okla.	154	145	145	146	153	126	94	76	71
Oklahoma City, Okla.	1,036	1,134	1,262	1,364	1,569	1,473	1,043	720	667
Omaha, Nebr.	2,437	2,387	2,408	2,601	2,767	2,507	2,004	1,329	1,146
Pueblo, Colo.	246	247	268	262	285	252	218	150	143
St. Joseph, Mo.	742	748	682	714	704	563	414	272	253
Topeka, Kans.	211	212	230	248	249	246	204	148	131
Tulsa, Okla.	1,269	1,532	1,577	1,658	1,996	1,780	1,086	872	760
Wichita, Kans.	557	596	698	829	882	743	543	384	328
Dallas district:									
Austin, Tex.	249	238	238	238	271	243	221	191	173
Beaumont, Tex.	214	259	288	301	344	302	236	168	141
Dallas, Tex.	2,527	2,542	2,620	2,868	3,384	2,641	2,001	1,585	1,505
El Paso, Tex.	397	351	385	426	491	433	290	185	156
Fort Worth, Tex.	1,984	1,018	1,139	1,277	1,377	1,084	837	632	552
Houston, Tex.	1,984	2,116	2,186	2,319	2,536	2,222	1,799	1,360	1,325
Shreveport, La.	474	454	468	506	539	451	344	279	261
Shreveport, La.	113	126	126	128	128	97	70	44	37
Texasarkana, Tex.	109	109	111	128	142	131	125	99	73
Tucson, Ariz.	221	201	221	224	233	192	159	123	116
San Francisco district:									
Boise, Idaho.	151	163	169	187	191	175	159	118	104
Fresno, Calif.	468	485	495	436	424	395	272	188	161
Long Beach, Calif.	572	591	580	674	752	580	473	307	244
Los Angeles, Calif.	9,458	10,475	11,199	12,912	14,622	11,999	9,288	6,561	5,590
Oakland, Calif.	1,720	2,065	2,697	3,017	2,846	2,317	2,247	2,081	1,752
Ogden, Utah	320	249	226	234	245	224	167	116	116
Pasadena, Calif.	417	445	481	487	490	406	354	249	198
Portland, Oreg.	1,999	2,195	2,046	2,202	2,371	2,100	1,711	1,177	1,142
Reno, Nev.	104	111	114	123	156	133	119	82	55
Sacramento, Calif.	438	394	480	605	625	581	558	451	291
Salt Lake City, Utah	865	865	862	927	1,012	885	711	515	457
San Diego, Calif.	669	771	743	753	776	657	558	400	317
San Francisco, Calif.	11,496	12,598	15,052	18,384	16,987	15,055	11,179	7,742	6,899
Seattle, Wash.	2,425	2,551	2,616	2,958	3,297	2,814	2,242	1,515	1,338
Spokane, Wash.	627	670	668	686	737	612	485	328	244
Stockton, Calif.	317	325	343	352	345	285	205	151	126
Tacoma, Wash.	524	548	539	559	608	526	385	243	209
Yakima, Wash.	160	162	160	173	187	178	142	93	82

¹ 11 months, figures for March not available.² Figures through April, 1928, are for Charleston, S. C. Greenville substituted for Charleston in national summaries beginning May, 1928.³ Revised figure.⁴ Includes debits of \$64,250,000 for June–December, 1927, of 10 banks not reporting until June, 1927.⁵ Revised to include 8 banks, figures for which did not become available until 1927.

Source: Federal Reserve Board.

No. 280.—BANKS SUSPENDED AND REOPENED · CONTINENTAL UNITED STATES, 1921 TO 1932

NOTE.—Capital and deposits in thousands of dollars Banks closed on account of financial difficulties by order of supervisory authorities or by the directors of the bank Figures of suspensions include banks subsequently reopened For bank suspensions during 1933, see Table 281

Year	Banks suspended			Banks reopened		Banks suspended			Banks reopened	
	Number	Capital	Deposits	Number	Deposits	Number	Capital	Deposits	Number	Deposits
All banks						National-bank members				
1921.....	505	23,732	172,188	97	24,437	52	2,989	20,777	9	2,201
1922.....	367	14,560	93,043	118	45,452	49	3,535	20,197	25	7,874
1923.....	646	21,367	149,601	69	17,348	90	4,823	34,244	11	3,670
1924.....	775	28,432	210,151	111	31,523	122	7,660	64,890	17	6,567
1925.....	618	24,753	167,555	81	22,931	118	7,990	55,574	8	3,441
1926.....	976	33,482	260,378	162	59,962	123	5,695	43,998	10	4,108
1927.....	669	25,371	199,329	129	43,144	91	5,415	45,547	8	4,759
1928.....	499	19,909	142,580	53	22,555	57	4,150	36,483	2	427
1929.....	659	33,432	230,643	69	28,586	64	5,095	41,614	3	1,404
1930.....	1,352	111,791	853,363	159	63,013	161	19,675	170,446	4	1,517
1931.....	2,294	207,965	1,690,669	276	157,159	409	49,347	439,171	25	24,717
1932.....	1,456	108,450	715,626	290	276,194	276	34,590	214,150	44	56,267
State-bank members						Nonmember banks				
1921.....	19	2,234	17,363	1	468	434	18,509	134,048	87	21,768
1922.....	13	821	7,113	3	3,356	305	10,204	65,733	91	34,222
1923.....	32	2,110	12,559	3	1,135	524	14,434	102,798	55	12,545
1924.....	38	2,670	13,645	2	549	615	18,102	131,616	92	24,407
1925.....	28	1,950	9,833	2	315	472	14,813	102,098	71	19,175
1926.....	35	2,499	23,466	4	3,408	518	25,288	192,914	148	52,446
1927.....	31	2,474	17,942	2	2,200	547	17,432	135,840	119	36,185
1928.....	16	975	10,247	3	5,547	426	14,784	95,850	48	16,581
1929.....	17	1,980	16,459	2	506	578	26,357	172,570	64	26,676
1930.....	27	30,835	202,399	2	1,536	1,104	61,281	480,518	153	59,960
1931.....	107	34,414	293,957	6	27,753	1,778	124,204	957,541	245	104,689
1932.....	55	10,145	55,153	8	15,399	1,125	63,715	446,323	238	204,528

No. 281.—BANKS SUSPENDED AND NONLICENSED BANKS PLACED IN LIQUIDATION OR RECEIVERSHIP, 1933

NOTE.—Banks reorganized under old charters after recapitalization or waiver of a portion of deposits are not included. Deposits of national banks suspended or placed in liquidation or receivership are as of date of suspension or conservatorship, deposits of nonlicensed national banks in last section of table and of State bank members are as of nearest call date, deposits of nonmember banks are as of Dec. 31, 1932, or nearest available call date prior thereto All figures are preliminary subject to change

	Number of banks				Deposits (thousands of dollars)			
	Total	National	State member	Non-member	Total	National	State member	Non-member
Banks suspended Jan. 1 to Mar. 15.....	462	66	23	373	217,735	73,183	21,742	122,810
Jan 1 to Mar 4.....	420	64	22	334	202,193	71,802	21,633	108,758
Mar 4 to 15.....	42	2	1	39	15,542	1,381	109	14,052
Licensed banks suspended, Mar 16 to Dec 31 ¹	221	9	6	206	152,538	17,490	3,527	131,521
Mar 16 to 31.....	39	—	—	39	25,144	—	—	25,144
April-June.....	69	4	4	61	79,794	13,167	1,600	65,027
July-September.....	46	4	1	41	33,069	4,179	1,860	27,030
October-December.....	67	1	1	65	14,531	144	67	14,320
Nonlicensed banks placed in liquidation or receivership, Mar 16 to Dec 31 ²	1,100	484	345	591	1,894,700	966,876	946,990	281,034
Mar 16 to 31.....	95	9	4	82	22,687	2,650	2,704	17,333
April-June.....	278	34	20	224	1,168,996	540,094	522,573	106,329
July-September.....	324	143	13	168	387,712	197,489	82,211	108,012
October-December.....	403	278	8	117	315,305	226,443	39,502	49,360
Nonlicensed banks ³ (other than mutual savings) on—								
Mar. 15.....	—	1,400	221	—	—	2,163,595	924,177	—
Apr 12.....	4,215	1,103	148	2,959	3,981,232	1,818,541	841,382	1,321,309
June 30.....	3,078	985	110	1,983	2,329,999	1,028,347	237,668	1,063,984
Dec 30.....	1,905	452	60	1,393	1,202,420	434,978	92,876	674,566

¹ Includes banks placed in liquidation or receivership and banks placed on a restricted basis; excludes banks reported as having been absorbed or succeeded by, or consolidated with other banks

² Includes nonlicensed banks absorbed or succeeded by other banks

³ Includes 7 banks with deposits totaling \$81,648,000 which did not receive licenses following the banking holiday and withdrew from the Federal Reserve System before being placed in liquidation

⁴ Banks on a restricted basis or not in operation but not placed in liquidation or receivership.

Source of tables 280 and 281 Federal Reserve Board.

12. NATIONAL WEALTH AND INCOME

(Data in this section relate to continental United States)

No. 282.—ESTIMATED NATIONAL WEALTH OF THE UNITED STATES: TOTAL, 1850 TO 1922, AND BY CLASSES OF PROPERTY, 1900 TO 1922

NOTE.—Estimates of national wealth for the earlier censuses were not made by precisely the same methods used more recently and are not closely comparable. Changes in buying power of money, as indicated by levels of prices and wages, materially affect the comparisons (see price tables in sec. 14). For distribution of principal classes of property by States for 1912 and 1922, see Statistical Abstract, 1932, Table 275. There have been no official estimates of wealth since 1922.

[All figures, except per capita, in millions of dollars]

Year	Amount (millions of dollars)			Amount per capita (dollars)		
	Total	Taxable	Exempt	Total	Taxable	Exempt
1850.....	7, 136	7, 136	-----	308	308	-----
1860.....	16, 160	16, 160	-----	514	514	-----
1870 (currency basis).....	30, 069	30, 069	-----	780	780	-----
1870 (gold basis).....	24, 055	24, 055	-----	624	624	-----
1880.....	43, 642	41, 642	¹ 2, 000	870	830	40
1890.....	65, 037	61, 204	3, 833	1, 036	975	61
1900.....	88, 517	82, 305	6, 213	1, 165	1, 083	82
1904.....	107, 104	100, 273	6, 831	1, 318	1, 234	84
1912.....	² 186, 300	² 173, 986	12, 314	1, 960	1, 820	120
1922.....	320, 804	300, 298	20, 506	2, 918	2, 731	186

Form of wealth	1900	1904	1912	1922
Grand total.....	88, 517	107, 104	² 186, 300	320, 804
Real estate, plant and equipment, total.....	69, 848	83, 801	141, 700	229, 406
Real property taxed.....	46, 325	55, 510	² 96, 923	155, 909
Real property exempt.....	6, 213	6, 831	12, 314	20, 506
Livestock.....	3, 306	4, 074	6, 238	5, 807
Farm implements and machinery.....	750	845	1, 368	2, 605
Gold and silver coin and bullion.....	1, 677	1, 999	2, 617	4, 278
Manufacturing machinery, tools, etc.....	2, 541	3, 298	6, 091	15, 783
Railroads and their equipment.....	9, 036	11, 245	16, 149	19, 951
Motor vehicles.....	-----	-----	-----	4, 567
Transportation and transmission enterprises (except railroads) total.....	3, 495	4, 841	10, 265	15, 414
Street railways.....	1, 576	2, 220	4, 597	4, 878
Telegraph systems.....	212	227	223	204
Telephone systems.....	400	586	1, 081	1, 746
Pullman and other private cars not owned by railroads.....	99	123	123	545
Pipe lines.....	-----	-----	-----	500
Shipping and canals.....	538	846	³ 1, 491	⁴ 2, 951
Irrigation enterprises.....	-----	-----	361	-----
Privately owned waterworks.....	268	275	290	361
Privately owned central electric light and power stations.....	403	563	2, 099	4, 229
All other, total.....	15, 174	18, 462	34, 334	75, 984
Agricultural products.....	1, 455	1, 899	5, 240	5, 466
Manufactured products.....	6, 087	7, 409	14, 694	28, 423
Imported merchandise.....	425	496	827	1, 549
Mining products.....	327	408	516	730
Clothing and personal ornaments.....	2, 000	2, 500	4, 295	} 39, 816
Furniture, carriages, etc.....	4, 880	5, 750	8, 463	

¹ From page 11, 1880 census volume, Valuation, Taxation, and Public Indebtedness

² Differs from estimate as published in 1912 because of revision of estimate for taxed real property in Oklahoma

³ Includes \$402,000,000 value of ships belonging to the United States Navy

⁴ Includes \$1,446,000,000 value of ships belonging to the United States Navy.

Source: Bureau of the Census, Department of Commerce.

No. 283.—WEALTH: ESTIMATED VALUE OF ALL TANGIBLE PROPERTY SITUATED IN EACH GEOGRAPHIC DIVISION AND STATE

NOTE—See headnote to Table 282. This table shows, not the value of property owned by the citizens of each State, but that of the physical property lying in each State wherever the securities or other evidences of title representing it may be found or owned. The per capita figures thus do not represent the average wealth of the citizens of each State.

Division and State	Amount (millions of dollars)						Total amount per capita (dollars)				
	Total					Taxable 1922					
	1890	1900	1904	1912 ¹	1922 ²		1890	1900	1904	1912	1922
United States.....	65,087	88,517	107,104	186,360	320,804	300,298	1,036	1,165	1,318	1,950	2,918
New England.....	5,223	7,753	8,823	11,918	24,415	22,552	1,111	1,386	1,498	1,761	3,186
Maine.....	489	682	776	1,018	2,007	1,919	740	982	1,096	1,351	2,586
New Hampshire.....	325	472	517	658	1,374	1,283	863	1,147	1,214	1,513	3,074
Vermont.....	266	330	360	505	842	799	799	960	1,035	1,407	2,389
Massachusetts.....	2,804	4,359	4,956	6,381	12,981	11,895	1,252	1,554	1,672	2,827	3,243
Rhode Island.....	504	711	799	986	1,925	1,814	1,469	1,658	1,702	2,737	3,086
Connecticut.....	835	1,199	1,415	2,370	5,286	4,842	1,119	1,320	1,453	2,041	3,614
Middle Atlantic.....	16,213	24,554	29,478	47,901	77,683	71,358	1,277	1,689	1,763	2,374	3,352
New York.....	8,577	12,505	14,769	25,664	37,035	33,019	1,430	2,120	1,868	2,694	4,436
New Jersey.....	1,445	2,734	3,236	6,011	11,794	11,170	1,000	1,451	1,547	2,240	3,524
Pennsylvania.....	6,191	9,315	11,473	16,226	28,834	27,169	1,177	1,478	1,707	2,036	3,187
East North Central.....	15,041	19,662	23,991	39,608	68,823	65,516	1,117	1,230	1,416	2,112	3,083
Ohio.....	3,951	5,019	5,947	9,123	18,459	17,553	1,076	1,207	1,367	1,861	3,048
Indiana.....	2,095	2,607	3,106	5,359	8,830	8,337	956	1,036	1,174	1,954	2,642
Illinois.....	5,067	6,977	8,817	15,500	22,233	21,191	1,324	1,447	1,689	2,653	3,205
Michigan.....	2,095	2,654	3,122	5,298	11,405	10,890	1,001	1,096	1,297	1,828	2,899
Wisconsin.....	1,833	2,405	2,839	4,328	7,866	7,545	1,087	1,163	1,292	1,908	2,887
West North Central.....	10,214	13,785	16,830	30,610	48,019	44,080	1,149	1,332	1,546	2,567	3,598
Minnesota.....	1,692	2,514	3,344	5,432	8,548	8,237	1,300	1,435	1,729	2,529	3,442
Iowa.....	2,287	3,368	4,048	7,709	10,512	10,197	1,196	1,509	1,828	3,465	4,274
Missouri.....	2,398	3,244	3,760	5,723	9,952	9,612	1,044	1,147	1,317	2,717	3,903
North Dakota.....	327	542	736	2,113	2,467	2,167	1,844	1,699	1,771	3,329	3,692
South Dakota.....	425	553	680	1,327	2,926	2,744	1,293	1,376	1,530	2,125	4,482
Nebraska.....	1,276	1,626	2,009	3,721	5,320	5,128	1,205	1,525	1,832	3,049	4,004
Kansas.....	1,799	1,938	2,253	4,580	6,264	5,995	1,261	1,318	1,468	2,632	3,493
South Atlantic.....	5,133	6,679	7,937	14,589	29,189	27,262	579	640	716	1,159	2,005
Delaware.....	176	212	230	305	626	593	1,043	1,146	1,204	1,728	2,728
Maryland.....	1,035	1,317	1,512	2,236	3,991	3,742	1,041	1,109	1,215	1,694	2,685
District of Columbia.....	344	929	1,040	1,172	1,697	1,219	1,491	3,332	3,491	3,418	3,879
Virginia.....	862	1,102	1,288	2,402	4,892	4,542	521	594	666	1,140	2,050
West Virginia.....	439	600	840	2,423	4,678	4,446	575	688	810	1,897	3,040
North Carolina.....	584	682	842	1,685	4,543	4,381	361	360	420	740	1,703
South Carolina.....	401	485	586	1,261	2,405	2,289	348	362	414	811	1,355
Georgia.....	852	936	1,168	2,163	3,897	3,726	464	422	493	802	1,306
Florida.....	390	356	431	937	2,440	2,329	995	673	729	1,167	2,358
East South Central.....	3,137	3,654	4,285	7,411	12,990	12,348	488	484	538	861	1,437
Kentucky.....	1,172	1,365	1,628	2,277	3,582	3,401	331	336	375	981	1,459
Tennessee.....	888	957	1,104	1,884	4,228	3,975	502	473	520	848	1,773
Alabama.....	623	775	965	2,015	3,062	2,971	412	424	494	931	1,244
Mississippi.....	454	557	688	1,235	2,178	2,081	352	359	416	667	1,216
West South Central.....	3,264	4,558	5,768	13,209	19,881	18,887	691	897	796	1,422	1,857
Arkansas.....	465	604	804	1,722	2,600	2,520	403	461	580	1,054	1,459
Louisiana.....	495	815	1,032	1,990	3,417	3,237	443	590	694	1,158	1,835
Oklahoma.....	208	812	1,095	3,118	3,993	3,627	860	1,027	1,092	1,684	1,864
Texas.....	2,106	2,322	2,837	6,379	9,851	9,453	942	762	841	1,561	2,010
Mountain.....	2,927	3,244	3,873	6,585	12,206	10,455	2,250	1,925	2,228	2,312	3,435
Montana.....	453	614	746	1,133	2,223	1,990	3,429	2,623	2,633	2,792	3,691
Idaho.....	268	275	343	579	1,534	1,258	2,464	1,708	1,795	1,598	3,301
Wyoming.....	170	281	300	556	976	860	2,796	3,041	3,297	2,702	4,663
Colorado.....	1,146	938	1,077	2,315	3,230	2,860	780	1,738	2,046	2,703	3,285
New Mexico.....	232	268	332	495	852	737	1,507	1,374	1,587	1,388	2,299
Arizona.....	189	263	306	457	1,314	1,158	3,165	2,140	2,239	2,052	3,512
Utah.....	349	413	488	796	1,535	1,361	1,681	1,491	1,609	2,016	3,247
Nevada.....	180	191	221	454	542	441	3,941	4,503	5,214	5,003	6,998
Pacific.....	3,885	4,633	6,019	13,777	23,573	21,805	2,076	1,917	2,290	3,092	3,934
Washington.....	761	782	1,052	3,183	5,122	4,666	2,177	1,508	1,806	2,484	3,000
Oregon.....	590	632	852	2,057	3,419	3,059	1,852	1,530	1,886	2,816	4,152
California.....	2,534	3,218	4,115	8,537	15,032	14,050	2,097	2,167	2,582	3,312	4,007

¹ Total differs from estimate as published in 1912 because of revision of estimate for taxed real property in Oklahoma. Includes \$402,000,000 value of ships belonging to the United States Navy and \$290,000,000 value of privately owned water-supply system not distributed by States. Items for geographic divisions and States differ from estimate as published in 1912 because of redistribution of railroad values in accordance with the method employed in 1922.

² Total includes \$1,446,000,000 value of ships belonging to the United States Navy, \$361,000,000 privately owned water-supply systems, and \$4,278,000,000 gold and silver coin and bullion not distributed by States.

³ Includes Indian Territory.

⁴ Differs from estimate as published in 1912 because of revision of estimate for taxed real property.

Source: Bureau of the Census, Department of Commerce.

No. 284.—NATIONAL INCOME PRODUCED AND PAID OUT

NOTE.—Under the concept of national income employed in this study, the following items have not been included: Imputed income from ownership of durable goods (including owned homes), the imputed value of services of housewives and other members of the family, earnings from odd jobs, relief and charity, earnings from illegal pursuits, and changes in value of assets not derived by groups professionally occupied in the handling of assets. Business savings represent the difference between the income produced in a given year and the amount actually distributed to individuals. Negative savings are incurred when the business system pays to individuals more than was produced in a given year.

	Amount (millions of dollars)				Percentages of 1929			
	1929	1930	1931	1932	1929	1930	1931	1932
Income produced.....	83,032	70,345	54,643	39,365	100 0	84.7	65 8	47.4
Income paid out.....	81,136	75,410	63,247	48,894	100 0	92 9	78 0	60 3
Business savings.....	1,896	-5,065	-8,604	-9,529				
Cost of living index ¹					100 0	97 4	88 9	80 4
Wholesale price index ¹					100 0	90.7	76 6	68 0

¹ Bureau of Labor Statistics

No. 285.—NATIONAL INCOME PAID OUT, BY TYPES OF PAYMENT

	Amount (millions of dollars)				Percent distribution			
	1929	1930	1931	1932	1929	1930	1931	1932
Income paid out, total.....	81,136	75,410	63,247	48,894	100 0	100.0	100.0	100 0
Labor income, total ¹	52,793	48,582	40,898	31,533	65 1	64.4	64.7	64.5
Salaries (selected industries) ²	5,702	5,661	4,738	3,383	7 0	7.5	7 5	6.9
Wages (selected industries) ²	17,179	14,210	10,542	6,840	21.2	18 8	16 7	14.0
Salaries and wages (all other industries).....	29,052	27,794	24,622	20,302	35.8	36.9	38 9	41.5
Property income, total ³	12,206	12,226	10,498	8,472	15.0	16 2	16 6	17.3
Dividends.....	5,964	5,795	4,313	2,588	7 4	7.7	6 8	5.3
Interest.....	5,677	5,815	5,649	5,491	7 0	7.7	8 9	11.2
Entrepreneurial income, total.....	16,136	14,602	11,853	8,890	19 9	19.4	18 7	18.2
Net rents and royalties.....	4,116	3,475	2,752	1,865	5 1	4.6	4 4	3 8
Entrepreneurial withdrawals.....	12,020	11,127	9,102	7,024	14 8	14.8	14 4	14.4

¹ Includes also employees' pensions and compensation for injury

² Includes mining, manufacturing, construction, steam railroads, Pullman, railway express, and water transportation.

³ Includes also net balance of international flow of property incomes.

No. 286.—NATIONAL INCOME PRODUCED AND INCOME PAID OUT, BY INDUSTRIAL DIVISIONS

[In millions of dollars]

	Income produced				Income paid out			
	1929	1930	1931	1932	1929	1930	1931	1932
Total.....	83,032	70,345	54,643	39,365	81,136	75,410	63,247	48,894
Agriculture.....	7,538	5,620	3,866	2,232	6,361	5,720	4,517	3,459
Mining.....	1,876	1,315	732	527	2,123	1,779	1,278	837
Electric light and power and gas.....	1,289	1,225	1,178	958	1,306	1,503	1,461	1,216
Manufacturing.....	19,354	14,292	9,677	5,873	18,157	16,141	12,490	8,373
Construction.....	3,087	2,644	1,667	454	3,135	2,825	1,897	864
Transportation.....	7,020	6,082	4,868	3,583	6,660	6,202	5,236	4,020
Communication.....	1,019	987	897	740	912	943	887	797
Trade.....	11,353	9,484	7,366	5,408	11,238	10,424	9,103	7,326
Finance.....	9,633	8,648	6,612	4,614	10,054	9,265	8,006	6,183
Government.....	6,456	6,763	6,792	6,796	6,456	6,763	6,792	6,796
Service.....	8,453	7,826	6,522	4,813	8,479	7,968	6,731	5,273
Miscellaneous.....	5,953	5,460	4,467	3,367	6,255	5,877	4,850	3,750

Source of Tables 284, 285, and 286 Bureau of Foreign and Domestic Commerce in cooperation with the National Bureau of Economic Research, New York City

13. BUSINESS FINANCE

No. 287.—FOREIGN EXCHANGE RATES ON CABLE TRANSFERS, NEW YORK

[Foreign Exchange Rates—Interest Rates—Insurance—Capital Issues—Stock Exchange Transactions—Commercial Failures]

Country	Monetary unit	Mint par	Yearly average rate in dollars							
			1926	1927	1928	1929	1930	1931	1932	1933
			<i>Dollars</i>							
North America.										
Canada.....	Dollar.....	1.0000	0.9999	0.9997	0.9991	0.9925	0.9984	0.9633	0.8909	0.9196
Cuba.....	Peso.....	1.0000	9993	.9997	9996	.9996	9995	9993	9994	9995
Mexico.....	do. ¹.....	.4985	.4831	.4720	.4811	.4818	.4713	¹ 3549	3185	.2810
South America										
Argentina.....	Peso (gold).....	9648	.9215	.9630	9648	.9513	8351	6674	5844	² 7280
Brazil.....	Milreis.....	⁴ .1196	.1444	.1184	1197	1181	1071	0703	0712	² .0796
Chile.....	Peso.....	.1217	.1208	1207	.1215	.1206	1208	1207	0791	² .0768
Colombia.....	do.....	9733	9845	9769	9769	9655	9649	9657	.9528	² .8170
Peru ⁵	Sol ⁶	⁶ 2800	3 7410	3 7377	3 9705	3 9998	3562	2807	2133	² .1886
Uruguay.....	Peso.....	1 0342	1 0147	1 0134	1 0266	.9863	8587	5536	4706	² .6034
Venezuela ⁵	Bolivar.....	.1930	1926	1898	1925	.1930	1890	1704	1475	² .1862
Europe.										
Austria.....	Schilling.....	⁷ 1407	⁷ 1407	1408	1407	1406	1409	1402	1396	² .1545
Belgium.....	Belga ⁷	⁷ 1390	⁷ .03265	1392	1393	1391	1395	1393	1391	1790
Bulgaria.....	Lev.....	⁸ 0072	.00721	00724	00721	00722	00721	00716	00719	.01004
Czechoslovakia.....	Koruna ⁹	⁹ .0296	.02962	.02962	.02963	.02961	.02964	.02962	.02962	.03823
Denmark.....	Krone.....	2680	2623	2673	2674	2668	2677	2506	1883	1907
Finland.....	Markka.....	.0252	.02521	.02520	.02517	.02516	.02517	.02388	01555	.01871
France.....	Franc.....	¹⁰ 0392	.03243	.03924	.03921	.03916	.03925	.03920	.03928	.05031
Germany.....	Reichsmark.....	2382	.2380	.2376	.2386	.2381	.2385	.2363	.2375	.3052
Greece.....	Drachma.....	¹¹ .0130	.01258	.01317	.01304	.01293	.01296	.01293	.00832	.00723
Hungary.....	Pengo.....	1749	.1756	.1747	1744	.1744	1749	1745	1745	² .2236
Italy.....	Lira.....	¹² 0526	.03889	.05156	.05257	.05233	.05237	.05206	.05125	.06709
Netherlands.....	Florin.....	.4020	.4010	.4011	.4022	.4016	.4023	.4023	.4029	.5172
Norway.....	Krone.....	2680	.2233	.2605	.2669	.2668	2676	2505	1800	2143
Poland.....	Zloty ¹³	¹³ 1122	.1118	.1129	1121	1119	1121	1120	1118	1441
Portugal.....	Escudo.....	¹⁴ 0442	.05125	.05029	.04468	.04471	.04494	.04244	.03196	.03917
Rumania.....	Leu.....	¹⁵ 0060	.00462	.00604	.00613	.00596	.00595	.00595	.00597	.00780
Spain.....	Peseta.....	.1930	.1490	.1706	1659	.1468	1167	0955	0804	1072
Sweden.....	Krona.....	.2680	.2676	.2681	.2680	.2678	.2685	.2525	1847	2203
Switzerland.....	Franc.....	.1930	.1931	.1926	1926	.1928	1938	1940	1940	2484
United Kingdom.....	Pound.....	⁴ 8665	⁴ .8582	⁴ 8610	⁴ 8662	⁴ 8569	⁴ 8621	⁴ 5350	³ 5061	⁴ 2368
Yugoslavia.....	Dinar.....	¹⁶ 0176	.01765	.01760	.01760	.01759	.01768	.01768	.01641	.01761
Asia										
Hong Kong.....	Dollar.....	(¹⁷)	.5333	.4921	.5007	.4717	3385	2433	2346	2945
China.....	Yuan ¹⁸	(¹⁸)	.4998	.4394	.4614	.4190	2992	2244	2174	¹⁹ 2860
India.....	Ruppee.....	³⁶ 50	.3633	.3631	.3647	.3620	3607	3369	2635	3182
Japan.....	Yen.....	.4985	.4712	.4741	.4641	.4610	4939	4885	2811	2565
Malaya (British).....	Straits Settlements dollar.....	(²⁰)	.5627	.5605	.5628	.5601	5596	5245	.4040	.4923

¹ Quotations prior to 1931 are for the gold peso. Quotation for 1931 is for the silver peso, July 30 to Dec. 31.

² The average for the gold peso Jan. 2 to July 29, 1931, was 47 65 cents.

³ Partly nominal.

⁴ Average for gold peso Jan. 1 to Dec. 10. Beginning Dec. 13, 1933, paper peso with par value of 42 45 cents was quoted in place of gold peso; average for paper peso Dec. 13 to 31 was 33 3311 cents.

⁵ Parity of the milreis was established at 11 96 cents by laws of Dec. 18, 1926, and Jan. 5, 1927.

⁶ Data for Peru and Venezuela for 1932 and 1933 are selling rates for sight drafts compiled by the Bureau of Foreign and Domestic Commerce from records of the National City Bank of New York, Lima branch, and bulletins of the Chamber of Commerce of Caracas, respectively.

⁷ Quotations for 1926 to 1929 are for the libra, par \$4 8665, quotation for 1931 is for the sol Mar. 27 to Dec. 31. Par value of sol established at 40 cents Mar. 1927, sol restabilized at 28 cents May 1931.

⁸ Quotation for 1926 is for the franc (par 19 3 cents). The belga, which is equal to 5 francs, superseded the Belgian franc Oct. 26, 1926, and was quoted at par during November and December 1926.

⁹ The lev was stabilized at 0 72 cent Nov. 22, 1928, former par value, 19 3 cents.

¹⁰ Legal stabilization at 2 96 cents effective Nov. 27, 1929. Previous nominal par value, 20 26 cents.

¹¹ Franc reestablished on a gold basis at a new parity of 3 9179 cents June 1925; former parity, 19 3 cents.

¹² In May 1928, the drachma was stabilized at a new parity of 1 30 cents, former parity, 19 3 cents.

¹³ In December 1927, the lira was stabilized at 5 26 cents. The former par value was 19 3 cents.

¹⁴ The zloty was stabilized at 11 22 cents, Oct. 13, 1927, former par value, 19 3 cents.

¹⁵ Established as legal parity, July 1, 1931, former par value, 108 05 cents.

¹⁶ In February 1929, the leu was stabilized at 0 598 cent. The former par value was 19 3 cents.

¹⁷ Established as legal parity, May 11, 1931, former par value, 19 3 cents.

¹⁸ Par varies with the price of silver.

¹⁹ Quotations prior to 1933 are for the old yuan containing 23 9025 grams of pure silver; quotation for 1933 is for the new yuan containing 23 4934 grams of pure silver.

²⁰ Average quotation for the new yuan, Apr. 10 to Dec. 31 (see note 18). The average for the old yuan from Jan. 1 to Apr. 9 was 20 2103 cents.

²¹ Legally equivalent to seven-sixtieths of 1 English pound sterling.

Source: Federal Reserve Board, except as noted.

No. 288.—FOREIGN EXCHANGE RATES, NEW YORK, BY MONTHS

NOTE.—For par of exchange of monetary units and yearly average rate see Table 287

	Canada (dollar)	Mexico (peso) ¹	Argen- tina ² (peso)	Brazil ² (milreis)	Chile ² (peso)	Belgium (belga)	France (franc)	Germany (reichs- mark)	
1931:	<i>Dollars</i>	<i>Dollar</i>	<i>Dollar</i>	<i>Dollar</i>	<i>Dollar</i>	<i>Dollar</i>	<i>Dollar</i>	<i>Dollar</i>	
March.....	0 9998	0 4735	0 7804	0 0789	0 1206	0 1393	0 0391	0 2381	
June.....	9972	4903	.7025	.0750	1209	.1392	.0392	.2373	
September.....	9625	.3341	.5969	.0591	1204	.1391	.0393	.2342	
December.....	8271	.3901	.5852	.0620	1207	.1390	.0392	.2362	
1932:									
January.....	8513	3933	5827	.0616	.1205	.1391	.0393	.2365	
February.....	.8729	.3787	5822	.0617	.1205	.1394	.0394	.2374	
March.....	8945	3368	.5829	.0621	1206	.1394	.0393	.2378	
April.....	8988	3337	.5822	.0654	1065	.1400	.0394	.2374	
May.....	8844	.3025	5832	.0713	0600	.1402	.0395	.2379	
June.....	8674	2690	5852	.0750	0602	.1394	.0394	.2369	
July.....	8707	2773	5856	.0760	.0603	.1387	.0392	.2372	
August.....	8755	2857	5857	.0762	0603	.1387	.0392	.2378	
September.....	9026	2992	.5859	.0762	0604	.1386	.0392	.2378	
October.....	9123	3111	5858	.0762	0603	.1389	.0393	.2377	
November.....	8730	3222	5858	.0763	.0603	.1387	.0392	.2375	
December.....	8660	3199	.5859	.0763	.0603	.1385	.0390	.2379	
1933:									
January.....	.8746	.3016	.5858	.0764	.0603	.1386	.0390	.2377	
February.....	.8351	.2842	.5858	.0763	.0603	.1396	.0392	.2383	
March.....	.8352	.2832	.5830	.0763	.0603	.1398	.0394	.2385	
April.....	.8472	.2702	.6049	.0763	.0603	.1453	.0410	.2439	
May.....	.8759	.2387	.6790	.0764	.0628	.1627	.0459	.2736	
June.....	.8989	.2767	.7106	.0764	.0752	.1705	.0480	.2881	
July.....	.9447	.2800	.8073	.0787	.0838	.1945	.0546	.3326	
August.....	.9428	.2811	.7943	.0803	.0820	.1915	.0537	.3271	
September.....	.9647	.2815	.8609	.0815	.0867	.2070	.0577	.3543	
October.....	.9760	.2817	.8612	.0846	.0887	.2072	.0582	.3543	
November.....	1 0118	.2780	.9204	.0857	.1010	.2232	.0627	.3824	
December.....	1 0055	.2774	.3 3333	.0860	.0960	.2173	.0612	.3732	
	United King- dom (pound)	Italy (lira)	Nether- lands (florin)	Spain (peseta)	Sweden (krona)	China (Yuan)	India (rupee)	Japan (yen)	British Malaya (Straits Settle- ments dollar)
1931:	<i>Dollars</i>	<i>Dollar</i>	<i>Dollar</i>	<i>Dollar</i>	<i>Dollar</i>	<i>Dollar</i>	<i>Dollar</i>	<i>Dollar</i>	<i>Dollar</i>
March.....	4. 8583	0 0524	0 4009	0 1073	0 2678	0 2279	0 3608	0 4937	0 5606
June.....	4 8649	.0523	.4024	.0967	.2680	.2144	.3600	.4937	.5604
September.....	4 5313	.0517	.4027	.0898	.2609	.2192	.3391	.4934	.5356
December.....	3 3737	.0511	.4023	.0840	.1871	.2373	.2636	.4346	.3903
1932:									
January.....	3 4312	.0504	.4018	.0839	.1919	.2370	.2582	.3599	.3969
February.....	3 4563	.0518	.4035	.0777	.1929	.2436	.2603	.3432	.3977
March.....	3 6393	.0518	.4028	.0760	.1985	.2392	.2731	.3216	.4133
April.....	3 7500	.0515	.4049	.0769	.1909	.2232	.2801	.3281	.4274
May.....	3 6751	.0515	.4055	.0812	.1872	.2171	.2732	.3197	.4224
June.....	3 6486	.0512	.4044	.0825	.1870	.2131	.2716	.3029	.4196
July.....	3 5496	.0510	.4027	.0805	.1822	.2064	.2668	.2745	.4097
August.....	3 4757	.0511	.4024	.0806	.1785	.2100	.2616	.2449	.4010
September.....	3 4711	.0513	.4016	.0810	.1781	.2104	.2622	.2363	.4025
October.....	3 3962	.0512	.4022	.0819	.1753	.2089	.2568	.2306	.3944
November.....	3 2753	.0511	.4018	.0817	.1743	.2059	.2478	.2062	.3800
December.....	3 2787	.0511	.4017	.0815	.1791	.1947	.2479	.2073	.3801
1933:									
January.....	3 3614	.0512	.4018	.0818	.1830	.1979	.2541	.2074	.3899
February.....	3 4221	.0512	.4027	.0824	.1827	.2011	.2583	.2079	.3958
March.....	3 4328	.0514	.4036	.0844	.1819	.2073	.2579	.2126	.3961
April.....	3 5793	.0537	.4195	.0888	.1881	.2220	.2687	.2209	.4124
May.....	3 9324	.0609	.4695	.0999	.2024	.2452	.2957	.2400	.4566
June.....	4 1356	.0638	.4901	.1036	.2128	.2613	.3107	.2576	.4796
July.....	4 6499	.0737	.5618	.1165	.2398	.2927	.3493	.2877	.5405
August.....	4 5027	.0722	.5538	.1146	.2323	.2807	.3385	.2690	.5236
September.....	4 6647	.0781	.5988	.1241	.2405	.2968	.3501	.2725	.5429
October.....	4 6683	.0782	.5995	.1243	.2407	.2985	.3504	.2777	.5457
November.....	5 1497	.0843	.6456	.1311	.2655	.3290	.3834	.3036	.6006
December.....	5 1159	.0822	.6285	.1279	.2639	.3345	.3839	.3074	.5970

¹ Beginning with September, 1931, quotations are for the silver peso.² Nominal since April, 1933.³ Average for paper peso (par 42 45 cents) Dec 13-31, average for gold peso Dec 1-10 was 75 8904 cents.⁴ Average quotation for Apr 10-30 on new yuan containing 23 4934 grams of pure silver. Average quotation for Apr 1-9 of old yuan containing 23 9025 grains of pure silver was 20 5383 cents

Source. The Federal Reserve Board.

No. 289.—INTEREST AND ACCEPTANCE RATES: CALL MONEY, TIME LOANS, AND ACCEPTANCES, NEW YORK

NOTE.—Rates shown are the range (low and high) for the quarter or month. Prior to 1931, they are based on data for weeks ending Saturday in the case of call money and time loans, and weeks ending various days in the case of acceptances, a week falling in 2 months being included in the month having the greater number of days. For 1931, they are based on daily quotations

Year, quarter, and month	Call money	Time loans		Bankers' acceptances (90 days)	Year, quarter, and month	Call money	Time loans		Bankers' acceptances (90 days)
		60 to 90 days ¹	6 months				60 to 90 days	6 months ²	
1913					1924				
Jan.-Mar.-----	2 - 6	3½- 6	4 - 6	-----	Jan.-Mar.-----	2½- 5¾	4 - 5	4½-5	3½-4¼
Apr.-June-----	1 - 7	3½- 5	4 - 6	-----	Apr.-June-----	2 - 5½	2¾-4¾	3¾-4¾	2 - 4½
July-Sept.-----	1½- 4½	2¾- 5	4½- 6	-----	July-Sept.-----	2 - 3	2 - 3¾	3 - 3½	2 - 2¾
Oct.-Dec.-----	2½- 10	4½- 6	4½- 6½	-----	Oct.-Dec.-----	2 - 5	2¼-3¾	3 - 4	2½-3½
1914					1925				
Jan.-Mar.-----	1½- 10	2½- 5	3 - 5	-----	Jan.-Mar.-----	2 - 5	3¼-4¼	3¾-4½	3 - 3¾
Apr.-June-----	1½- 2	2 - 3¼	2¾-3¾	-----	Apr.-June-----	3½- 5	3¾-4¾	3¾-4¾	3½-3¾
July-Sept.-----	1½- 10	2½- 10	3¼- 8	-----	July-Sept.-----	3½- 6	3¾-4½	4 - 4¾	3¼-3¾
Oct.-Dec.-----	2½- 8	3½- 10	3¾-7	-----	Oct.-Dec.-----	4 - 6	3½- 5	3¾-5	3½-3¾
1915					1926				
Jan.-Mar.-----	1¾- 3	2¼- 4¼	3 - 4	-----	Jan.-Mar.-----	4 - 6	4½- 5	4½-5	3½-3¾
Apr.-June-----	1 - 2½	2¼- 3½	2¾-3½	-----	Apr.-June-----	3 - 5½	4 - 4¾	4 - 4¾	3½-3¾
July-Sept.-----	1½- 2	2¼- 3¼	3 - 3¾	-----	July-Sept.-----	4 - 6	4½- 5¼	4¾-5¼	3¾-4
Oct.-Dec.-----	1½- 2½	2¼- 3	3¾-3½	-----	Oct.-Dec.-----	4 - 6	4½- 5¼	4¾-5¼	3¾-4
1916					1927				
Jan.-Mar.-----	1¾- 3	2½- 3¼	2¾-3½	-----	Jan.-Mar.-----	3½- 5	4¾-4¾	4¾-4¾	3½-3¾
Apr.-June-----	1½- 4	1¾- 4	3 - 4	-----	Apr.-June-----	4 - 5	4¾-4¾	4¾-4¾	3½-3¾
July-Sept.-----	2 - 6	2½- 4	3½- 5	-----	July-Sept.-----	3½- 4½	4¾-4¾	4¾-4¾	3½-3¾
Oct.-Dec.-----	1¾-15	2¾- 4¾	3¼-4½	-----	Oct.-Dec.-----	3½- 5½	4 - 4¾	4 - 4¾	3¼-3¾
1917					1928				
Jan.-Mar.-----	1½- 3¼	2½- 4½	2¾-5	-----	Jan.-Mar.-----	4 - 5½	4½-4¾	4½-4¾	3¼-3¾
Apr.-June-----	2 - 6	2¾- 6	4 - 6	-----	Apr.-June-----	4½- 8	4¾- 6	4¾- 6	3¾-4¼
July-Sept.-----	1½- 10	3½- 6	4½- 6	-----	July-Sept.-----	4½- 10	5¾-7½	5¾-7½	4½-4¾
Oct.-Dec.-----	2 - 6	5 - 6	5 - 6	3¼-3¾	Oct.-Dec.-----	6 - 12	6¾-7¾	6¾-7¾	4½-4¾
1918					1929				
Jan.-Mar.-----	2 - 7½	5½- 6	5½-6	3½-4¾	Jan.-Mar.-----	6 - 20	7½-8½	7½-8	4½-5¾
Apr.-June-----	2 - 6	5½- 6	5½-6	4¾-4¾	Apr.-June-----	6 - 16	7½-9½	7½-9	5¾-5¾
July-Sept.-----	3½- 6	5½- 6	5½-6	4¾-4¾	July-Sept.-----	6 - 15	7½-9½	7½-9½	5¾-5¾
Oct.-Dec.-----	3½- 6	5 - 6	5½-6	4¾-4¾	Oct.-Dec.-----	4½- 10	4½-9½	4½-9½	3½-5¾
1919					1930				
Jan.-Mar.-----	2¾- 7	5 - 5¾	5½-5¾	4¾-4¾	January-----	4 - 6	4½- 5	4½- 5	3¾-4¾
Apr.-June-----	3¼-15	5½- 6	5 - 6	4¾-4¾	February-----	4 - 4½	4½-4¾	4½-5	3¾-3¾
July-Sept.-----	3 - 20	5¾- 8	5¾-8	4¾-5¾	March-----	2 - 4½	4½-4¾	3¾-4¾	2½-3¾
Oct.-Dec.-----	2 - 30	5¾- 8	5¾-8	4¾-5¾	April-----	3 - 4	3¾-4¾	3¾-4¾	2½-3¾
1920					May-----	3 - 3½	3 - 3¾	3¼-4	2½-3¾
Jan.-Mar.-----	3 - 25	7 - 10	7 - 9	5 - 6½	June-----	2 - 3	2¾-3¾	2¾-3¾	1½-2¼
Apr.-June-----	6 - 15	8 - 9	7½-9	5½-6½	July-----	2 - 3	2½-3	2¾-3¾	1½-2
July-Sept.-----	5 - 20	6 - 9	6 - 9	6¼-6½	August-----	2 - 2½	2½-2¾	2¾-3¾	1½-2
Oct.-Dec.-----	5 - 16	6 - 8½	6 - 8½	3¾-6¾	September-----	2 - 3	2 - 2¾	2¾-3¾	1½-2
1921					October-----	1½- 2	2 - 2½	2½-3	1½-2
Jan.-Mar.-----	6 - 9	6 - 7½	6 - 8	5¾-6½	November-----	2 - 2	2 - 2½	2½-3	1½-2
Apr.-June-----	5 - 8	6 - 7	6 - 7½	5¾-6	December-----	2 - 2½	2 - 2½	2¾-3	1½-2
July-Sept.-----	3½- 6½	5 - 6¼	3¾-6¼	4¾-5½	1931				
Oct.-Dec.-----	4 - 6	4¾- 5½	4¾-6¼	4¾-4¾	January-----	1½- 4	1¼-2½	1¼-3	1½-2
1922					February-----	1½	1½-2½	1¾-2½	1¼-1½
Jan.-Mar.-----	3 - 6	4½- 5	4½-5¼	3½-4½	March-----	1 - 2	1½-2½	2 - 2¾	1½-1½
Apr.-June-----	2¾- 5½	3½- 4½	3½-4¾	3 - 3¾	April-----	1½- 2½	1½-2½	2 - 2½	1¼-1½
July-Sept.-----	3 - 6	3¾-4¾	3¾-5	3 - 3¾	May-----	1 - 1½	1 - 2¼	1¼-2½	¾-1½
Oct.-Dec.-----	3½- 6	4¾- 5	4¾-5	3½-4¾	June-----	1½	1 - 1¾	1¼-2	¾-1
1923					July-----	1½	1¼-1¾	1½-2	¾-1
Jan.-Mar.-----	3½- 6	4½- 5½	4½-5½	4 - 4½	August-----	1½	1¼-1¾	1½-2	¾-1
Apr.-June-----	4 - 6	4¾- 5¾	5 - 5¾	4 - 4¾	September-----	1½	1¼-2½	1½-2½	¾-1¾
July-Sept.-----	3½- 6	5 - 5¾	5 - 5¾	4¾-4¼	October-----	1½- 2½	2 - 4½	2 - 4½	1½-3½
Oct.-Dec.-----	4 - 6	5 - 5½	5 - 5½	4¾-4¼	November-----	2½	3 - 4	3 - 4	2½-3½
					December-----	2½- 3½	3 - 4	3 - 4	3 - 3½

¹For the week ended Jan. 14, 1918, to the week ended May 12, 1919, time loans were for 30 to 90 days, and from the latter date to the week ended Oct. 13, 1919, time on loans not specified.

²Beginning August 1929, 4 to 6 months.

Source: Call money and time loans, 1913, from the financial editors, New York Times; thereafter, The Analyst, acceptance rates, Acceptance Bulletin of the American Acceptance Council.

No. 290.—INTEREST AND ACCEPTANCE RATES: CALL MONEY, TIME LOANS,
AND ACCEPTANCES, NEW YORK, WEEKLY RANGE

NOTE.—Rates shown are the range, low and high, for weeks ending on date shown in the stub

Year and week	Call money	Time loans		Year and week	Bankers' acceptances (90 days)	Year and week	Call money	Time loans		Year and week	Bankers' acceptances (90 days)
		60 to 90 days	4 to 6 months					60 to 90 days	4 to 6 months		
1932				1932		1933				1933	
Jan 2...	3 -3½	3 -4	3 -4	Jan 4...	3 -3½	Jan 7...	1	1½	1½ -¾	Jan 3....	¾ -½
Jan 9...	2½ -3½	3½ -4	3½ -4	Jan 11...	3 -3½	Jan 14...	1	1½	1½ -¾	Jan 9....	¾ -½
Jan 16...	2½ -3½	3½ -4	3½ -4	Jan 18...	2½ -3½	Jan 21...	1	1½	1½ -¾	Jan 16...	¾ -½
Jan 23...	2½ -3½	3½ -3¾	3½ -3¾	Jan 25...	2½ -2½	Jan 28...	1	1½	1½ -¾	Jan 23...	1½ -¾
Jan 30...	2½ -3½	3½ -3¾	3½ -3¾							Jan 30...	1½ -¾
Feb 6...	2½ -3½	3½ -3¾	3½ -3¾	Feb 1...	2½ -2½	Feb 4...	1	1½	1½ -¾	Feb 6....	1½ -¾
Feb 13...	2½ -3½	3½ -3¾	3½ -3¾	Feb 8...	2½ -2½	Feb 11...	1	1½	1½ -¾	Feb 14...	¾ -½
Feb 20...	2½ -3½	3½ -3¾	3½ -3¾	Feb 15...	2½ -2½	Feb 18...	1	1½	1½ -¾	Feb 20...	¾ -½
Feb 27...	2½ -3½	3½ -3¾	3½ -3¾	Feb 23...	2½ -2½	Feb 25...	1	1½ -1¼	¾ -1½	Feb 27...	1½ -1¼
				Feb 29...	2½ -2½						
Mar 5...	2½ -3	3 -3¾	3 -3¾	Mar 7...	2½ -2½	Mar 4 ¹ ...	1 -4	2½ -4	2½ -4	Mar 6 ² ...	1½ -3½
Mar 12...	2½ -3	3 -3¾	3 -3¾	Mar 14...	2½ -2½	Mar 11...	(5)	(5)	(5)	Mar 13 ⁴ ...	3½ -3¾
Mar 19...	2½ -3	3 -3¾	3 -3¾	Mar 21...	2½ -2½	Mar 18...	3 -5	3½ -5	3½ -5	Mar 20...	2 -2½
Mar 26...	2½ -3	3 -3¾	3 -3¾	Mar 28...	2½ -2½	Mar 25...	3 -3½	2½ -3	2½ -3	Mar 27...	2 -2½
Apr 2...	2½ -3	3 -3¾	3 -3¾	Apr 4...	2½ -2½	Apr 1...	3	2 -2½	2 -3	Apr 3....	2 -2½
Apr 9...	2½ -3	3 -3¾	3 -3¾	Apr 11...	1½ -2	Apr 8...	1½ -2	1 -2½	1 -2½	Apr 10...	1½ -1½
Apr 16...	2½ -2	2 -3	2 -3	Apr 18...	1½ -1½	Apr 15...	1 -1½	¾ -1	1 -1½	Apr 17...	1½ -¾
Apr 23...	2½ -2	2 -2½	2 -2½	Apr 25...	¾ -1	Apr 22...	1	¾ -1½	1 -1½	Apr 24...	¾ -¾
Apr 30...	2½ -1¾	2 -2½	2 -2½			Apr 29...	1	1 -1½	1 -1½		
May 7...	2½ -1½	1¾ -2½	1¾ -2½	May 2...	¾ -1	May 6...	1	¾ -1¼	1 -1½	May 1....	1½ -¾
May 14...	2½ -1½	1½ -2	1½ -2	May 9...	1½ -1½	May 13...	1	¾ -1¼	1 -1½	May 8....	1½ -¾
May 21...	2½ -1½	1½ -1½	1½ -1½	May 16...	¾ -1	May 20...	1	¾ -1¼	1 -1½	May 15...	1½ -¾
May 28...	2½ -1½	1½ -1½	1½ -1½	May 23...	¾ -1	May 27...	1	¾ -1	¾ -1½	May 22...	1½ -¾
				May 31...	¾ -1					May 29...	1½ -¾
June 4...	2½ -1½	1½ -1½	1½ -1½	June 6...	¾ -1	June 3...	1	¾ -1	¾ -1½	June 5....	¾ -¾
June 11...	2½ -1½	1½ -1½	1½ -1½	June 13...	¾ -1	June 10...	1	¾ -1	¾ -1½	June 12...	¾ -¾
June 18...	2½ -1½	1½ -1½	1½ -1½	June 20...	¾ -1	June 17...	1	1 -1¼	1½ -1½	June 19...	1½ -¾
June 25...	2½ -1½	1½ -1½	1½ -1½	June 27...	¾ -1	June 24...	1	¾ -1¼	1 -1½	June 26...	¾ -¾
July 2...	2 -2½	1½ -1½	1½ -1½	July 5...	¾ -¾	July 1...	1	¾ -1	1 -1¼	July 3....	¾ -¾
July 9...	2 -2½	1½ -1½	1½ -1½	July 11...	¾ -¾	July 8...	1	¾ -1¼	¾ -1½	July 10...	1½ -¾
July 16...	2 -2½	1½ -1½	1½ -1½	July 18...	¾ -¾	July 15...	1	¾ -1¼	1 -1½	July 17...	1½ -¾
July 23...	2 -1½	1¼ -1½	1¼ -1½	July 25...	¾ -¾	July 22...	1	1 -1¼	1½ -2	July 24...	1½ -¾
July 30...	2 -1½	1 -1½	1 -1½			July 29...	1	1 -1½	1½ -2	July 31...	1½ -¾
Aug 6...	2 -1½	1¼ -1½	1¼ -1½	Aug 1...	¾ -¾	Aug 5...	1	1 -1½	1½ -2	Aug 7....	1½ -¾
Aug 13...	2 -1½	1¼ -1½	1¼ -1½	Aug 8...	¾ -¾	Aug 12...	1	1 -1½	1 -2	Aug 14...	1½ -¾
Aug 20...	2 -1½	1¼ -1½	1¼ -1½	Aug 15...	¾ -¾	Aug 19...	1	1 -1½	1 -1½	Aug 21...	1½ -¾
Aug 27...	2 -1½	1¼ -1½	1¼ -1½	Aug 22...	¾ -¾	Aug 26...	1	¾ -1	¾ -1½	Aug 28...	1½ -¾
				Aug 29...	¾ -¾						
Sept. 3...	2 -1	1 -1½	1¼ -1½	Sept. 6...	¾ -¾	Sept. 2...	¾ -1	1½ -1	¾ -1¼	Sept 5....	1½ -¾
Sept. 10...	2 -1	1 -1½	1¼ -1½	Sept. 12...	¾ -¾	Sept 9...	¾	1½ -¾	1½ -1¼	Sept 11...	1½ -¾
Sept. 17...	2 -1	1 -1½	1¼ -1½	Sept. 19...	¾ -¾	Sept. 16...	¾	1½ -¾	1½ -1	Sept 18...	1½ -¾
Sept. 24...	2 -1	1 -1¼	1¼ -1½	Sept. 26...	¾ -¾	Sept. 23...	¾	1½ -¾	1½ -1	Sept 25...	1½ -¾
						Sept 30...	¾	1½ -¾	1½ -1		
Oct 1...	2 -1	1 -1¼	1¼ -1½	Oct 3...	¾ -¾	Oct 7...	¾	1½ -¾	1½ -1	Oct 2....	1½ -¾
Oct 8...	2 -1	1 -1	1½ -1½	Oct 10...	¾ -¾	Oct 14...	¾	1½ -¾	1½ -¾	Oct 9....	1½ -¾
Oct 15...	1 -2	¾ -1	¾ -1½	Oct 17...	¾ -¾	Oct 21...	¾	1½ -¾	1½ -¾	Oct 16...	1½ -¾
Oct 22...	1 -1	¾ -1	¾ -1½	Oct 24...	¾ -¾	Oct 28...	¾	1½ -¾	1½ -¾	Oct 23...	1½ -¾
Oct 29...	1 -1	1½ -1	¾ -1½	Oct 31...	¾ -¾					Oct 30...	1½ -¾
Nov. 5...	1 -1½	¾ -1	¾ -1	Nov. 7...	¾ -¾	Nov 4...	¾	1½ -¾	1½ -¾	Nov 6....	1½ -¾
Nov. 12...	1 -1	¾ -1	¾ -1	Nov. 14...	¾ -¾	Nov 11...	¾	1½ -1	1½ -1	Nov 13...	1½ -¾
Nov. 19...	1 -1	¾ -1	¾ -1	Nov. 21...	¾ -¾	Nov 18...	¾	1½ -1	1½ -1	Nov 20...	1½ -¾
Nov. 26...	1 -1	¾ -1	¾ -1	Nov 28...	¾ -¾	Nov 25...	¾	1½ -1	1½ -1	Nov 27...	1½ -¾
Dec 3...	1 -1	1½ -1	¾ -1	Dec 5...	¾ -1½	Dec 2...	¾	¾ -1	¾ -1¼	Dec 4....	1½ -¾
Dec 10...	1 -1	1½ -1	¾ -1	Dec 12...	¾ -1½	Dec 9...	¾ -1	¾ -1¼	¾ -1¼	Dec 11...	1½ -¾
Dec 17...	1 -1	1½ -1	¾ -1	Dec 19...	¾ -1½	Dec 16...	1	¾ -1¼	1½ -1½	Dec 18...	1½ -¾
Dec 24...	1 -1	1½ -1	¾ -1	Dec 27...	¾ -1½	Dec 23...	1	1 -1¼	1½ -1½	Dec 26...	1½ -¾
Dec 31...	1 -1	1½ -1	¾ -1			Dec 30...	1	¾ -1¼	1½ -1½		

¹ Time loan rates are nominal.

² Rates are for Feb 28 to Mar. 3.

³ No quotation owing to national bank holiday.

⁴ Rates for Mar 13 only.

⁵ Offerings; no bid.

Sources Call and time rates from the *Analyst*, acceptance rates from *Acceptance Bulletin* of the American Acceptance Council.

No. 291.—FIRE AND MARINE INSURANCE BUSINESS: CONTINENTAL UNITED STATES AND OUTLYING TERRITORIES AND POSSESSIONS

NOTE.—Data cover transactions of both United States and foreign companies

[All figures except number of companies in thousands of dollars]

Calendar year	Stock and mutual companies								
	Number of companies	Capital (stock companies)	Total assets ¹	Net surplus	Net premiums	Total income	Losses	Dividends	Expenses
1890	580	86,732	322,678	108,734	143,346	157,858	75,335	12,946	49,819
1895	555	70,225	347,564	118,228	161,447	175,750	89,213	14,666	54,203
1900	493	73,151	413,027	162,658	182,131	198,313	108,307	16,029	65,861
1905	560	76,128	544,182	211,545	270,387	292,995	124,925	22,877	93,310
1910	593	94,734	572,899	206,212	263,303	291,534	123,692	34,857	94,389
1915	613	107,675	873,945	321,014	419,361	459,361	221,701	26,509	157,730
1916	608	118,094	965,859	345,561	493,936	535,753	244,813	39,742	172,207
1917	636	126,880	1,077,952	399,574	614,647	681,922	293,842	42,477	203,818
1918	630	131,221	1,189,795	378,216	716,980	772,740	335,921	43,506	249,261
1919	781	163,103	1,391,096	453,920	810,881	884,166	335,570	62,474	295,405
1920	789	176,906	1,569,141	464,565	995,295	1,073,625	451,470	63,815	371,479
1921	802	184,584	1,592,351	501,337	832,906	915,921	514,755	64,959	343,209
1922	754	206,367	1,627,345	550,057	851,257	939,568	477,116	73,924	337,590
1923	763	211,165	1,782,383	561,658	878,907	1,002,175	504,795	78,487	380,106
1924	801	232,408	1,913,477	629,252	970,806	1,070,748	524,302	76,652	390,128
1925	854	269,283	2,092,499	700,462	1,050,676	1,188,087	559,931	81,430	419,427
1926	860	278,498	2,248,197	733,954	1,110,895	1,228,399	581,234	92,897	447,935
1927	870	315,689	2,503,063	908,495	1,108,434	1,259,386	544,254	99,230	448,983
1928	886	385,931	2,867,832	1,124,478	1,131,956	1,371,928	531,536	107,393	469,429
1929	931	441,445	3,084,057	1,235,047	1,179,932	1,438,222	541,801	113,648	506,242
1930	904	448,151	2,834,708	1,077,819	1,071,537	1,217,705	583,461	127,077	493,342
1931	903	418,375	2,640,863	802,323	929,252	1,088,413	520,076	119,991	436,489
1932	702	338,610	2,484,357	738,466	795,940	1,004,089	446,989	104,356	499,446
	Lloyd's and interinsurance companies					Total			
	Number of associations	Net premiums	Total income	Losses	Total disbursements	Net premiums	Total income	Losses	Total disbursements
1905	37	3,029	3,338	1,371	2,508	273,417	296,333	126,296	243,620
1910	31	3,831	4,111	1,644	3,744	267,134	295,645	128,336	256,681
1915	45	12,003	12,634	4,470	9,609	431,865	471,996	226,171	415,549
1916	³ 54	13,076	13,746	5,653	11,247	507,012	549,499	250,466	468,008
1917	56	13,642	14,003	5,868	11,326	628,289	695,924	299,710	551,464
1918	95	20,874	21,636	10,470	18,174	737,854	794,376	346,391	646,863
1919	³ 105	23,067	24,146	8,739	18,909	833,948	908,312	344,308	702,357
1920	⁴ 137	24,946	29,164	10,403	20,481	1,020,242	1,102,789	461,873	907,245
1921	³ 121	28,864	32,777	13,921	29,073	861,770	948,699	528,675	951,997
1922	³ 125	30,056	32,537	13,282	29,070	881,313	972,106	490,398	917,700
1923	³ 116	35,715	37,831	14,809	33,210	914,622	1,040,007	519,603	996,598
1924	³ 140	46,706	50,768	21,858	44,087	1,017,512	1,121,517	546,159	1,035,119
1925	³ 134	43,370	45,120	21,110	42,474	1,094,046	1,233,207	581,041	1,103,262
1926	³ 121	45,366	49,085	22,274	43,141	1,156,261	1,277,485	603,507	1,165,206
1927	³ 111	46,489	50,085	22,385	44,233	1,154,922	1,309,471	566,639	1,136,700
1928	³ 110	51,218	58,262	22,783	47,905	1,183,174	1,430,189	554,818	1,156,364
1929	104	47,798	55,194	22,127	46,736	1,227,429	1,493,416	563,928	1,213,428
1930	³ 92	43,863	48,938	21,529	46,594	1,115,400	1,266,643	604,990	1,250,474
1931	³ 78	36,351	39,528	19,480	41,517	965,604	1,127,941	548,556	1,127,073
1932	² 58	28,586	31,627	15,286	36,381	824,526	1,035,715	462,275	1,087,172

¹ Exclusive of premium notes

² Number of companies reporting.

³ Figures for 1916 cover the business of 47 associations, 1919, 95, 1920, 101, 1921, 108, 1922, 105, 1923, 108, 1924, 133; 1925, 110; 1926, 115; 1927, 106, 1928, 108, 1930, 90; and 1931, 70.

⁴ Premiums of 84 associations.

⁵ Income of 88 associations

⁶ Losses paid and total disbursements of 89 associations

Source: Insurance Yearbook of the Spectator Co., New York City

No. 292.—FIRE INSURANCE: OUTSTANDING RISKS, CONTINENTAL UNITED STATES AND OUTLYING TERRITORIES AND POSSESSIONS, DECEMBER 31

NOTE — Covers transactions of members of the National Board of Fire Underwriters, both United States and foreign companies. Fire and lightning risks only beginning with 1918; in previous years marine risks are also included.

[Amount covered and premiums charged in millions and tenths of millions of dollars]

Year or yearly average	Number of companies	Amount covered	Premiums charged ¹	Rate on \$100	Year	Number of companies	Amount covered	Premiums charged ¹	Rate on \$100
1877-1880.....	171	6,393 8	61 5	\$0 9623	1922.....	174	96,263 3	936.4	\$0 9726
1881-1890.....	152	10,992 8	113 7	1 0347	1923.....	184	105,927 5	1,017.0	9601
1891-1900.....	140	18,368 0	190 5	1 0373	1924.....	197	115,683 4	1,092.0	9440
1901-1910.....	156	31,923 7	354 9	1 1116	1925.....	210	128,255 2	1,189.9	9277
1911-1920.....	181	62,275 8	629 0	1 0101	1926.....	210	137,739 9	1,257.9	9132
1921-1930.....	208	127,872 7	1,168 8	.9140	1927.....	213	144,777 2	1,305 3	.9016
1917.....	197	72,331 7	698 3	.9654	1928.....	234	149,766 3	1,333.4	8903
1918.....	154	63,083 1	638 1	1 0115	1929.....	246	153,902 4	1,353 2	8792
1919.....	159	75,163 8	769.5	0.118	1930.....	239	152,676 2	1,286.7	8427
1920.....	169	85,970 2	846 3	1 9844	1931.....	221	147,348 5	1,201 2	8151
1921.....	175	93,715 3	916 6	.9780	1932.....	212	139,127 4	1,088 9	7826

¹ Gross less reinsurance

Source: Prior to 1931, Insurance Yearbook of the Spectator Co., New York City, beginning 1931, National Board of Fire Underwriters, New York City

No. 293.—FIRE AND LIGHTNING INSURANCE: BUSINESS TRANSACTED BY MEMBERS OF THE NATIONAL BOARD OF FIRE UNDERWRITERS, CONTINENTAL UNITED STATES AND OUTLYING TERRITORIES AND POSSESSIONS

[All money figures, except average annual rate of premium, in millions and tenths of millions of dollars]

	1920	1925	1929	1930	1931	1932	1933
Number of companies, total.....	169	210	246	239	221	212	210
United States companies.....	124	165	204	199	182	174	172
Foreign companies.....	45	45	42	40	39	38	38
Gross insurance written.....	100,194 7	140,496 9	155,437 6	151,349.2	145,100.4	132,506.0	(¹)
United States companies.....	71,409 1	113,406 1	129,417 7	127,144 5	121,165 3	111,727 0	(¹)
Foreign companies.....	28,785 6	27,090.8	26,019.9	24,204.7	23,935 1	21,079 0	(¹)
Gross premiums charged.....	963 6	1,226 0	1,244 8	1,164 1	1,063 5	931 9	(¹)
Net premiums written.....	533 9	644 3	655 9	584 0	508 2	450 5	405 2
Net premiums earned.....	450 9	599 0	645 6	614.7	563 6	508 0	457 0
Net losses paid.....	226 0	351 1	300 7	329.4	303 3	272 1	185 7
Net losses incurred.....	246 1	354 1	300 0	329.7	298 3	273 0	178 8
Net expenses.....	219 5	281.2	306 9	304 0	264.4	237 6	214.4
Agents' compensation.....	121 0	161.5	168 8	156 2	135 9	121 9	108.0
Taxes.....	27 6	20.1	30.5	29 7	21 4	18.4	15.8
Average annual rate of premium per \$100 insurance.....	\$0 9617	\$0.8726	\$0.8008	\$0.7691	\$0 7329	\$0 7017	(¹)
Percent of—							
Net losses incurred to net premiums earned.....	54 6	59.1	46 5	53.6	52 9	53.7	39.1
Net losses incurred to net premiums written.....	46 1	55.0	45.7	50.4	58 7	60.6	44 1
Net expenses to net premiums earned.....	48.7	46.9	47.5	49.4	46 9	46.8	46 9
Net expenses to net premiums written.....	41.1	43.6	46.8	52 0	52 0	52 7	52 1
Agents' compensation to net premiums written.....	22.7	25.1	25 7	26 8	26 7	27.1	26 6
Taxes to net premiums written.....	5 2	3.1	4 7	5 1	4 2	4 1	3 9

¹ Data are not available

Source: Prior to 1931, Insurance Yearbook of the Spectator Co., New York City, beginning 1931, National Board of Fire Underwriters, New York City

No. 294.—FIRE LOSSES: TOTAL AND PER CAPITA, CONTINENTAL UNITED STATES

NOTE.—Amounts, except per capita, in thousands of dollars. Prior to 1916, figures are as compiled by the New York Journal of Commerce and include losses of \$10,000 or over in the principal cities of the United States, adding 15 per cent for small and unreported losses. These figures are not comparable with those shown for later years (the 1916 Journal of Commerce figure being \$214,531,000 as against \$258,378,000) which cover all fires reported to the Actuarial Bureau Committee, adding 25 per cent for unreported and uninsured losses.

Year	Loss	Year	Loss	Year	Loss	Year	Loss
1876-1880	69,912	1897	116,355	1910	214,003	1923	535,373
1881-1885	95,753	1898	130,594	1911	217,005	1924	549,062
1886	104,925	1899	153,598	1912	206,439	1925	559,418
1887	120,283	1900	160,930	1913	203,764	1926	561,981
1888	110,886	1901	165,818	1914	221,439	1927	472,934
1889	123,047	1902	161,078	1915	172,033	1928	464,607
1890	108,994	1903	145,302	1916	1258,378	1929	450,446
1891	143,765	1904	229,198	1917	289,535	1930	501,981
1892	151,516	1905	165,222	1918	353,879	1931	451,644
1893	167,544	1906	518,612	1919	320,540	1932	400,859
1894	140,006	1907	215,085	1920	447,887	1933	269,778
1895	142,110	1908	217,886	1921	465,406		
1896	118,737	1909	188,705	1922	506,541		

Year	Cities reporting actual loss				Total United States		
	Number of cities	Population (thousands)	Actual reported loss, total	Loss per capita	Population (thousands) ²	Estimated loss	Loss per capita ³
1924	366	43,376	146,223	3.37	113,202	549,062	4.85
1925	370	45,297	160,012	3.53	114,867	559,418	4.87
1926	377	53,244	178,179	3.35	116,532	561,981	4.82
1927	406	51,292	144,619	2.82	118,197	472,934	4.00
1928	445	51,836	140,038	2.70	119,862	464,607	3.88
1929	473	53,411	145,059	2.72	121,526	459,446	3.78
1930	454	50,206	150,981	3.01	123,191	501,980	4.07
1931	454	51,084	125,934	2.47	124,070	451,643	3.64
1932	458	51,295	113,947	2.22	124,822	400,859	3.21
1933	461	51,553	77,686	1.51	125,693	269,778	2.15

¹ See headnote

² Population figures are estimates by the Bureau of the Census. Per capita loss is based on these estimates.

Source: Committee on Statistics, National Board of Fire Underwriters, except as noted.

No. 295.—LIFE INSURANCE: OPERATIONS OF ALL COMPANIES OF THE UNITED STATES, FROM ORGANIZATION TO JANUARY 1, 1933

NOTE.—Figures include domestic and foreign business of United States companies, but do not include operations of the Veterans' Bureau. (See pp 148 and 149)

[All figures, except number of policies, in thousands of dollars]

	Total	Ordinary companies	Industrial companies
Total insurance issued since organization:			
Number of policies (thousands).....	418,091	¹ 85,788	² 332,303
Amount.....	264,058,825	¹ 199,429,933	² 64,628,892
Insurance in force Jan. 1, 1933.			
Number of policies (thousands).....	115,763	¹ 32,818	² 82,945
Amount.....	100,154,373	¹ 82,888,983	² 17,265,390
Receipts since organization, total.	62,782,689	42,093,852	20,688,837
Premium and annuity.....	48,596,728	31,499,972	17,096,756
Interest, rents, etc.....	14,185,960	10,593,880	3,592,081
Payments to policyholders since organization, total.	30,017,388	21,652,960	8,364,428
Death claims.....	12,616,258	8,788,487	3,827,771
Endowments and annuities ³	3,519,458	2,649,827	869,631
Purchased policies, surrender values.....	7,010,348	4,987,738	2,022,610
Dividends to policyholders.....	6,871,323	5,226,908	1,644,416
Admitted assets, Jan. 1, 1933.....	20,754,112	13,072,455	7,681,657
Capital, apportioned funds, and surplus, Jan. 1, 1933.....	1,943,855	1,169,975	773,881

¹ Includes group business and ordinary and group business of industrial companies.

² Industrial business only.

³ Includes disability and double indemnity

Source: The Insurance Yearbook of the Spectator Co., New York, N. Y.

No. 296.—LIFE INSURANCE: SUMMARY OF FINANCIAL CONDITION AND POLICY ACCOUNT OF ALL COMPANIES OF THE UNITED STATES

NOTE.—See headnote, Table 295

[All figures, except number of policies, in millions of dollars]

Year	Assets (admitted) Dec. 31	Liabilities, ¹ Dec. 31	Total income	Payments to policyholders	Insurance written and paid for during year		Policies in force Dec. 31				
					Ordinary ²	Industrial	Number (thousands)		Amount		
							Ordinary ²	Industrial	Total	Ordinary ²	Industrial
1850.....							29		69	69	
1860.....							60		180	180	
1870.....							839		2,263	2,263	
1880.....	453		81	56			686	237	1,602	1,582	21
1890.....	771	679	197	90	742	242	1,320	3,883	4,050	3,621	429
1900.....	1,742	1,493	401	169	1,280	566	3,176	11,219	8,561	7,093	1,468
1905.....	2,706	2,373	642	265	1,726	661	5,621	16,873	13,364	11,054	2,310
1906.....	2,924	2,557	667	287	1,451	631	5,793	17,841	13,707	11,253	2,454
1907.....	3,053	2,736	679	310	1,345	576	5,943	18,844	14,053	11,486	2,577
1908.....	3,380	2,939	704	336	1,469	594	6,165	19,688	14,519	11,850	2,669
1909.....	3,644	3,170	748	361	1,656	793	6,535	21,552	15,420	12,452	2,968
1910.....	3,876	3,386	781	387	1,822	735	6,964	23,034	16,404	13,227	3,177
1911.....	4,164	3,646	836	414	2,079	773	7,669	24,713	18,003	14,578	3,424
1912.....	4,409	3,880	893	449	2,240	842	8,159	26,096	19,265	15,556	3,709
1913.....	4,659	4,136	946	470	2,550	850	8,775	29,432	20,564	16,587	3,977
1914.....	4,935	4,365	985	509	2,457	858	9,045	31,159	21,589	17,426	4,164
1915.....	5,190	4,938	1,043	545	2,621	974	9,890	33,142	22,784	18,349	4,435
1916.....	5,537	5,253	1,118	586	3,213	969	10,698	35,675	24,679	19,868	4,811
1917.....	5,941	5,634	1,249	590	3,840	1,051	11,582	38,764	27,189	21,966	5,223
1918.....	6,475	6,202	1,325	710	3,988	1,143	12,768	41,852	29,870	24,167	5,703
1919.....	6,759	6,432	1,560	739	7,010	1,305	15,716	51,295	35,880	29,273	6,607
1920.....	7,320	6,989	1,764	745	8,490	1,615	16,695	49,805	42,281	35,092	7,190
1921.....	7,936	7,543	1,951	833	6,787	1,943	17,685	54,097	45,983	37,977	8,006
1922.....	8,652	8,124	2,149	973	7,506	2,268	18,514	58,283	50,291	41,404	8,587
1923.....	9,455	8,902	2,427	1,088	9,455	2,615	20,534	63,461	56,804	46,696	10,107
1924.....	10,394	9,799	2,703	1,174	10,152	3,043	22,092	68,248	63,780	52,436	11,344
1925.....	11,538	10,867	3,018	1,243	11,817	3,656	23,894	73,736	71,690	58,866	12,824
1926.....	12,940	12,177	3,330	1,373	12,413	4,048	25,501	77,965	79,644	65,457	14,187
1927.....	14,392	13,539	3,673	1,500	12,671	4,465	27,146	82,246	87,022	71,474	15,548
1928.....	15,961	15,043	4,088	1,699	14,168	4,505	29,151	85,844	95,206	78,521	16,686
1929.....	17,482	16,507	4,337	1,962	14,529	4,738	31,339	89,415	103,146	85,244	17,902
1930.....	18,880	17,862	4,594	2,247	14,160	4,860	32,776	89,436	107,948	89,661	18,287
1931.....	20,160	19,116	4,850	2,607	12,379	4,847	33,531	88,228	108,886	90,611	18,274
1932.....	20,754	19,774	4,653	3,087	9,721	4,793	32,818	82,945	100,154	82,889	17,265

¹Not including unapportioned surplus and capital and prior to 1915 also apportioned surplus. For amount of latter item in recent years see Table 297

²Includes group business.

Source: Prior to 1890 Frederick L. Hoffman, insurance statistician, Newark, N. J., 1890 and subsequent years, the Insurance Yearbook of the Spectator Co., New York, N. Y.

No. 297.—LIFE INSURANCE: FINANCIAL CONDITION AND BUSINESS OF ALL COMPANIES OF THE UNITED STATES

NOTE.—All money figures in thousands of dollars. See headnote, Table 295

	1900	1910	1920	1925	1930	1931	1932
Number of companies.....	76	214	272	308	352	342	328
Capital stock, Dec. 31.....	12,832	40,545	66,905	105,707	176,943	170,373	161,920
Income, total.....	400,603	781,011	1,764,213	3,017,800	4,593,973	4,850,376	4,653,396
Premium income, total.....	324,724	593,388	1,394,939	2,383,913	3,524,327	3,661,105	3,504,256
New premiums ¹	62,276	70,180	274,478	340,566	385,067	361,626	290,105
Renewals ¹	256,142	517,536	1,099,740	1,999,480	3,031,537	3,115,781	3,024,094
Annuities.....	6,306	5,672	10,721	43,867	107,723	183,698	190,057
Interest and other income, total.....	75,879	187,623	379,274	633,887	1,069,646	1,189,271	1,149,140
Interest, dividends, etc.....	64,949	160,514	324,370	527,577	853,188	891,803	885,189
Rents.....	8,225	10,310	16,312	37,125	37,262	40,587	45,764
Other.....	2,706	16,799	38,592	83,185	179,166	256,881	218,186

¹Includes disability and double indemnity receipts and payments.

No. 297.—LIFE INSURANCE. FINANCIAL CONDITION AND BUSINESS OF ALL COMPANIES OF THE UNITED STATES—Continued

	1900	1910	1920	1925	1930	1931	1932
Expenditures, total	267,580	540,342	1,198,366	1,936,422	3,198,537	3,537,705	3,997,698
Paid to policyholders.....	168,688	387,302	744,649	1,242,974	2,246,776	2,606,551	3,087,014
Death losses.....	100,721	180,654	349,964	493,391	855,745	915,145	905,267
Matured endowments.....	18,335	46,349	101,181	114,473	112,027	116,977	122,601
Annuities ¹	4,122	7,426	16,897	38,531	111,124	128,807	150,338
Surrendered policies, etc.....	22,650	77,518	119,061	248,625	614,223	861,023	1,346,113
Dividends.....	22,860	75,354	157,547	347,954	553,658	584,599	562,694
Other expenditures	98,892	153,040	453,717	693,448	951,761	931,154	910,685
To agents, commissions, salaries, traveling expenses.....	61,282	87,629	257,822	399,499	497,549	457,024	398,817
Medical fees, salaries, other employee costs.....	13,034	26,037	61,566	99,233	134,253	138,252	136,253
Dividends to stockholders.....	1,028	2,140	5,308	14,500	21,917	16,984	13,971
Other.....	23,548	37,235	129,021	180,216	298,042	318,894	361,644
Admitted assets, Dec 31, total	1,742,414	3,875,877	7,319,997	11,537,615	18,879,611	20,159,940	20,754,112
Real estate.....	158,119	172,961	172,011	265,938	547,562	683,235	933,948
Real estate mortgages.....	501,499	1,227,232	2,174,863	4,799,216	7,577,944	7,652,287	7,316,093
Stocks owned.....	794,632	1,29,622	51,356	81,462	465,951	517,565	523,564
Bonds owned.....	7,191	1,659,845	3,588,728	4,331,288	6,352,333	6,723,735	6,766,925
Collateral loans.....	64,489	18,941	41,301	20,416	31,008	31,323	23,649
Premium notes and loans.....	88,501	495,100	858,915	1,445,507	2,807,012	3,369,147	3,805,752
Net deferred and unpaid premiums.....	33,269	50,956	130,923	251,848	439,894	466,633	461,684
Cash in office and bank.....	75,440	71,113	124,747	124,252	152,216	178,662	323,852
Other.....	19,276	50,107	177,152	217,687	505,690	597,354	598,645
Asset items not admitted.....	12,249	25,186	77,424	119,178	2 ³ 73,453	2 ² 114,248	2 ² 147,561
Liabilities, Dec 31, total	1,493,379	3,590,978	6,989,309	10,867,475	17,862,149	19,115,880	19,773,947
Reserve.....	1,443,452	3,225,966	6,337,970	9,926,515	16,231,489	17,384,463	17,839,178
Losses and claims unpaid.....	9,863	17,072	43,116	64,268	134,954	183,454	187,346
Claims resisted.....	999	1,779	2,475	5,413	11,446	16,802	21,431
Dividends unpaid and left to accumulate.....	3,598	5,533	53,048	134,272	303,345	316,457	322,717
Surplus apportioned ⁴	(3)	279,614	412,339	563,793	807,362	834,217	968,797
Other.....	35,466	61,014	140,361	173,213	373,046	430,487	469,739
Surplus (including capital).....	² 249,035	210,440	330,688	670,140	1,017,470	1,044,060	980,058
Total surplus funds.....	249,035	490,054	743,027	1,233,933	1,825,383	1,858,277	1,943,855
POLICY ACCOUNT—AMOUNTS							
New business written and paid for, total	1,846,267	2,557,053	10,105,445	15,472,999	19,019,790	17,226,248	14,514,284
Ordinary ⁵	1,280,265	1,822,260	8,489,971	10,563,128	12,604,029	11,321,430	8,911,083
Group.....	-----	-----	-----	1,253,619	1,555,683	1,057,714	810,373
Industrial.....	566,002	734,793	1,615,474	3,656,253	4,860,078	4,847,104	4,792,828
In force Dec. 31, total	8,561,249	16,404,261	42,281,391	71,689,749	107,948,278	108,885,563	100,154,373
Ordinary, total ⁵	7,093,220	13,227,213	35,091,538	54,566,797	79,774,841	80,657,119	73,780,240
Whole life.....	4,790,345	8,811,743	25,583,423	39,299,872	57,686,405	58,049,120	52,163,440
Endowment.....	1,664,450	3,043,689	975,433	9,635,068	14,319,675	14,918,830	14,507,690
Other.....	638,425	1,371,782	2,532,683	5,629,957	7,768,760	7,689,160	7,114,110
Group.....	-----	-----	-----	4,299,271	9,886,029	9,954,011	9,108,742
Industrial.....	1,468,028	3,177,048	7,189,852	12,823,681	18,287,408	18,274,432	17,265,300
NUMBER OF POLICIES (thousands)							
Written during year, total	4,671	6,002	13,249	20,325	24,258	24,727	24,497
Ordinary ⁵	729	993	3,924	3,897	5,384	5,252	4,721
Group.....	-----	-----	-----	3	19	4	4
Industrial.....	3,942	5,009	9,325	16,425	18,856	19,471	19,771
In force Dec. 31, total	14,335	29,999	66,499	97,629	122,213	121,761	115,763
Ordinary ⁵	3,176	6,964	16,695	23,882	32,739	33,499	32,788
Group.....	-----	-----	-----	12	35	30	30
Industrial.....	11,219	23,034	49,805	73,736	89,436	88,228	82,945

¹ Includes disability and double indemnity receipts and payments.² Does not include loading on deferred and uncollected premiums included in 1925 and earlier years³ "Surplus apportioned" included in "Surplus, including capital"⁴ Comprises dividends apportioned and amounts set apart on deferred dividend policies and contingency and other special reserves⁵ Includes "Group" prior to 1925.

Source: The Insurance Yearbook of the Spectator Co., New York, N. Y.

No. 298.—LIFE INSURANCE. ORDINARY AND INDUSTRIAL INSURANCE WRITTEN
AND IN FORCE, BY STATES

NOTE.—Totals in this table do not agree with totals in Tables 295 to 297 because of differences in the reports from which they are compiled as furnished by the companies to the various insurance departments, and because of duplications from reinsurance. The former also covers business transacted in continental United States only, while the latter include also foreign business of United States companies

[All figures in thousands of dollars]

Division and State	Ordinary (including group)				Industrial			
	Written		In force Dec 31		Written		In force Dec 31	
	1931	1932	1931	1932	1931	1932	1931	1932
Continental United States	13,840,456	10,882,461	39,467,900	84,994,363	4,793,966	4,812,608	17,666,539	16,670,000
New England	911,588	738,547	6,718,950	6,511,659	440,479	466,522	2,118,180	1,995,951
Maine.....	66,271	46,243	475,976	457,848	26,079	27,386	114,176	108,997
New Hampshire.....	37,100	31,020	293,112	287,688	17,501	19,766	87,240	84,534
Vermont.....	25,365	21,088	229,491	222,279	10,613	11,292	44,873	42,681
Massachusetts.....	498,878	407,859	3,648,457	3,535,739	245,338	258,715	1,171,951	1,109,754
Rhode Island.....	70,907	59,208	540,376	524,324	46,938	49,089	229,244	214,054
Connecticut.....	213,067	173,699	1,531,535	1,483,781	94,010	100,274	470,676	435,931
Middle Atlantic	4,068,598	3,369,007	27,949,458	26,872,038	1,503,085	1,538,705	7,310,020	6,812,148
New York.....	2,351,295	1,942,763	16,485,485	15,811,834	755,219	770,158	3,825,553	3,642,126
New Jersey.....	565,005	475,927	3,431,947	3,346,481	259,081	261,728	1,318,654	1,260,637
Pennsylvania.....	1,150,226	950,317	8,032,026	7,713,723	488,785	506,819	2,165,813	2,009,385
East North Central	3,415,246	2,545,812	21,166,439	19,776,817	1,058,568	1,011,022	3,724,436	3,452,555
Ohio.....	785,289	600,427	5,566,192	5,262,078	363,991	353,096	1,205,243	1,104,776
Indiana.....	427,222	295,608	2,231,113	2,076,108	150,424	143,726	530,120	485,320
Illinois.....	1,220,382	902,570	7,668,742	7,155,475	336,748	311,583	1,207,780	1,142,866
Michigan.....	730,038	554,503	3,674,103	3,353,243	154,831	148,828	504,508	463,783
Wisconsin.....	252,315	192,704	2,026,289	1,929,913	52,574	53,789	276,785	256,160
West North Central	1,311,696	1,043,934	9,164,348	8,695,694	263,265	265,858	987,206	946,837
Minnesota.....	253,269	216,849	1,965,563	1,893,159	35,041	31,654	1,205,243	1,104,776
Iowa.....	229,692	156,881	1,791,286	1,680,297	27,741	26,552	115,890	110,901
Missouri.....	417,072	342,817	2,756,003	2,613,013	155,904	153,191	545,227	521,673
North Dakota.....	27,919	21,962	277,079	254,302	9	13	204	205
South Dakota.....	41,685	29,276	312,384	279,259	11	12	227	193
Nebraska.....	173,157	142,550	1,007,945	989,390	14,242	13,243	54,048	52,459
Kansas.....	168,902	133,799	1,054,086	986,274	30,317	41,193	107,349	104,870
South Atlantic	1,170,773	908,333	7,302,269	6,956,874	748,872	760,709	1,619,510	1,547,762
Delaware.....	43,543	31,483	306,743	287,983	15,976	15,518	65,923	63,651
Maryland.....	150,833	128,002	1,161,731	1,132,768	117,811	128,960	406,578	396,597
Dist of Columbia.....	117,218	84,314	654,974	654,041	44,326	47,963	134,289	135,224
Virginia.....	156,523	136,204	1,110,919	1,070,461	117,622	117,822	246,436	234,839
West Virginia.....	145,888	100,102	769,896	720,609	40,585	38,093	110,065	103,032
North Carolina.....	185,783	124,334	1,102,988	1,019,211	112,902	113,367	196,446	188,956
South Carolina.....	82,630	75,023	506,347	474,534	95,671	106,997	147,523	134,884
Georgia.....	174,019	137,278	1,098,714	1,034,194	121,999	126,045	209,090	194,555
Florida.....	114,336	91,593	592,957	563,073	81,980	65,944	103,160	95,994
East South Central	553,879	414,115	3,431,180	3,154,680	308,458	321,899	581,357	538,792
Kentucky.....	152,852	122,576	1,031,672	970,502	86,755	85,262	236,363	219,680
Tennessee.....	193,379	150,731	1,107,523	1,026,686	122,648	135,368	201,102	189,421
Alabama.....	124,289	91,300	797,149	716,113	78,789	77,929	115,516	101,855
Mississippi.....	83,409	49,508	494,816	441,379	20,266	23,340	28,376	27,836
West South Central	965,930	784,269	5,033,685	4,743,943	262,357	244,998	514,289	490,513
Arkansas.....	101,252	61,711	509,496	473,773	24,311	22,575	44,339	42,380
Louisiana.....	130,527	100,840	817,559	780,320	49,142	47,835	133,359	129,537
Oklahoma.....	182,499	147,710	1,024,773	962,713	46,153	25,910	67,392	64,496
Texas.....	551,652	471,008	2,681,757	2,527,137	142,751	147,978	269,199	254,100
Mountain	321,938	247,501	2,084,188	1,981,492	28,811	30,336	129,119	124,318
Montana.....	33,943	31,516	261,155	254,404	2,849	3,183	14,192	12,932
Idaho.....	32,165	19,666	212,642	194,894	1,303	1,262	6,597	6,173
Wyoming.....	18,771	11,536	103,514	99,897	165	149	885	861
Colorado.....	129,946	105,881	850,798	817,885	17,736	17,269	77,596	73,893
New Mexico.....	18,067	17,972	111,444	109,953	170	1,299	574	1,356
Arizona.....	26,267	16,724	172,113	160,786	918	836	1,589	1,464
Utah.....	54,571	37,548	321,967	293,891	5,650	6,310	27,342	27,290
Nevada.....	8,208	6,658	50,555	49,782	20	28	344	349
Pacific	1,119,106	822,277	6,477,770	6,197,585	180,071	173,259	681,041	659,550
Washington.....	173,220	121,597	1,142,856	1,080,224	21,980	23,484	95,518	92,807
Oregon.....	101,036	74,454	676,221	636,223	7,634	7,503	36,007	34,969
California.....	844,850	626,226	4,658,693	4,481,138	150,457	142,272	549,516	531,774

¹ Totals except industrial written include small amounts not distributed by States.

Source Insurance Yearbook of the Spectator Co., New York, N.Y.

No. 299.—LIFE INSURANCE: FINANCIAL CONDITION AND POLICY ACCOUNTS OF COMPANIES REPORTING TO NEW YORK INSURANCE DEPARTMENT

NOTE—Data relate to the entire business of all companies authorized to sell life insurance in New York State which include nearly all the important companies doing business in the United States. United States branches of foreign companies are included.

[Number of policies in thousands, amounts in millions and tenths of millions of dollars]

	1926	1927	1928	1929	1930	1931	1932	1933 ¹
Assets.....	11,140.6	12,384.7	13,723.7	15,015.9	16,206.3	17,345.2	17,937.7	18,248.7
Liabilities.....	10,387.4	11,536.1	12,801.1	14,060.1	15,252.6	16,314.1	16,792.5	-----
Income, total.....	2,852.7	3,131.0	3,479.1	3,734.2	3,957.9	4,197.2	4,111.2	3,970.3
Premium income.....	2,189.8	2,410.0	2,654.4	2,820.4	2,974.9	3,119.9	3,012.6	2,901.9
Disbursements, total.....	1,817.5	1,954.8	2,202.5	2,492.2	2,787.1	3,099.4	3,540.3	3,543.5
Paid to policyholders ²	1,244.7	1,351.4	1,540.2	1,782.7	2,041.4	2,357.5	2,783.0	-----
ORDINARY BUSINESS ⁴								
Insurance in force:								
Number of policies.....	19,892	21,040	22,455	23,946	25,086	25,828	25,609	-----
Amount.....	53,680.0	58,649.0	64,367.4	69,886.5	73,568.2	74,752.7	71,477.8	68,176.5
Insurance written and paid for:								
Number of policies.....	2,715	2,825	3,178	3,498	3,566	3,508	3,273	-----
Amount.....	10,568.0	10,837.3	12,046.0	13,109.7	12,435.8	10,578.8	8,557.1	7,603.8
Policies terminated:								
Number.....	1,467	1,680	1,734	2,007	2,426	2,788	3,493	-----
Amount.....	4,971.6	5,872.3	6,238.2	7,590.6	8,753.5	9,511.4	11,835.9	10,901.9
By death, maturity, expiry, and disability:								
Number.....	467	501	563	660	757	876	993	-----
Amount.....	934.1	1,008.5	1,162.0	1,375.4	1,555.8	1,745.3	2,059.8	-----
By surrender, lapse, change and decrease:								
Number.....	1,000	1,179	1,171	1,347	1,668	1,911	2,500	-----
Amount.....	4,037.5	4,863.7	5,076.2	6,215.3	7,197.7	7,766.1	9,776.1	-----

¹ Preliminary figures from unaudited reports, complete data not yet available.

² Exclusive of capital, surplus, and special funds.

³ Includes accident and health claims.

⁴ Includes group insurance.

Source: Reports of the Superintendent of Insurance; State of New York.

No. 300.—LIFE INSURANCE OF FRATERNAL ORDERS IN THE UNITED STATES

NOTE—Although the number of orders reporting varies considerably, most of the larger orders report regularly, so that the figures are fairly comparable from year to year. Prior to 1920 the figures for the number of orders as given below include all known to be in existence whether reporting or not.

[All money figures in millions and tenths of millions of dollars]

Calendar year	Number of orders	Assets	Liabilities	Income		Disbursements			Amount of insurance written during year	In force at end of year	
				Total	Net received from members	Total	Paid for claims	To agents and for management		Amount	Number of certificates (thousands)
1901.....	489	29.4	8.5	81.6	72.2	77.3	64.1	8.9	799.6	5,656.5	4,519
1905.....	570	64.5	11.4	95.7	91.4	85.2	72.6	11.3	1,026.3	8,150.4	6,119
1910.....	497	129.4	18.8	128.6	114.3	110.2	92.3	16.9	1,331.6	9,562.5	8,558
1915.....	472	212.8	28.0	133.3	122.3	123.6	98.7	16.1	1,922.9	8,694.4	7,696
1920.....	¹ 336	326.1	55.6	181.2	165.2	135.8	109.6	26.2	1,178.0	8,879.5	8,439
1921.....	¹ 283	326.5	63.7	194.8	171.2	136.6	107.9	28.7	785.1	9,159.0	8,578
1922.....	¹ 245	340.1	78.0	197.7	173.2	151.6	110.6	34.1	915.6	8,687.9	8,016
1923.....	¹ 227	490.9	100.8	206.6	128.1	151.9	109.5	32.9	795.0	8,758.6	7,514
1924.....	¹ 228	565.9	110.6	216.2	186.3	153.3	116.4	31.8	1,096.8	9,805.6	12,514
1925.....	¹ 224	628.3	126.0	222.1	188.4	160.5	121.2	36.2	1,105.9	9,769.6	8,452
1926.....	¹ 249	659.9	120.2	224.3	181.7	159.3	121.2	34.3	1,033.3	9,834.7	8,549
1927.....	¹ 235	759.5	107.1	238.4	193.3	170.7	130.4	37.2	1,025.5	9,726.7	8,342
1928.....	¹ 262	824.3	196.2	245.0	197.2	181.6	140.2	38.1	1,039.8	9,324.1	9,004
1929.....	¹ 269	834.3	199.3	257.8	199.6	200.7	154.4	35.6	983.5	9,155.4	8,975
1930.....	¹ 255	881.6	195.6	251.1	199.2	199.2	147.0	44.1	1,287.3	8,946.2	7,770
1931.....	¹ 242	894.7	* 375.5	235.7	185.1	207.5	131.8	39.3	671.5	7,301.0	6,924
1932.....	¹ 226	882.4	* 296.3	212.4	163.8	167.0	117.3	31.1	599.6	7,122.7	6,413

¹ Numbers reporting.

* Includes legal reserve not included prior to 1931.

Source: The Insurance Yearbook of the Spectator Co., New York, N. Y.

No. 301.—MUTUAL ACCIDENT AND SICK BENEFIT ASSOCIATIONS: FINANCIAL CONDITION AND BUSINESS TRANSACTED

NOTE.—Although many small companies have not reported all years, the large companies have reported regularly, and the figures are fairly comparable from year to year. Prior to 1920 the figures for the number of companies as given below include all known to be in existence whether reporting or not, thereafter they represent only the number reporting.

[All figures, except number of companies and certificates, in thousands of dollars]

Year	Number of companies	Admitted assets	Net surplus	Premiums or assessments	Income (including interest)	Paid for claims	Paid to agents, medical examiners, and for management	Total disbursements	Number of certificates written during year	Number of certificates in force at end of year
1901.....	102	1,617	1,490	2,957	3,201	1,643	1,753	3,348	286,183	310,092
1905.....	165	3,769	3,198	6,134	7,513	3,513	3,330	6,862	667,800	887,804
1910.....	197	5,169	3,665	9,291	10,938	5,169	4,258	10,434	946,340	1,382,415
1915.....	177	7,103	4,483	10,969	12,555	6,955	4,354	11,769	693,654	1,359,368
1920.....	167	13,709	9,690	19,538	22,712	10,580	8,771	19,944	713,270	1,853,328
1921.....	162	15,250	11,149	18,929	22,125	10,584	7,621	19,306	607,438	1,773,787
1922.....	182	28,577	21,657	19,429	22,490	11,684	6,532	19,035	611,703	1,739,444
1923.....	1127	30,749	17,488	31,462	34,435	17,932	12,711	30,938	582,168	1,679,961
1924.....	1107	47,236	34,215	41,758	44,708	23,337	10,767	38,233	731,285	2,168,901
1925.....	1167	46,682	31,558	40,807	44,903	22,395	15,019	36,672	807,722	2,170,562
1926.....	1173	44,244	29,579	44,901	48,720	26,408	17,978	43,424	644,782	2,036,053
1927.....	1173	44,992	28,881	47,579	50,892	27,958	18,766	47,608	841,384	2,229,669
1928.....	1100	41,720	25,850	44,245	48,676	27,909	20,887	45,882	641,859	1,807,292
1929.....	1148	61,852	35,546	51,314	56,453	30,894	19,239	50,072	826,509	2,543,824
1930.....	1156	39,551	25,901	47,036	50,542	29,185	18,088	48,338	963,011	2,483,753
1931.....	1134	38,457	25,235	42,252	45,714	29,116	17,610	46,022	1,023,189	2,531,185
1932.....	1109	34,900	22,735	35,180	38,126	25,286	13,045	39,592	507,368	1,751,103

¹ See headnote.

No. 302.—CASUALTY, SURETY, AND MISCELLANEOUS INSURANCE: FINANCIAL CONDITION AND BUSINESS TRANSACTED (STOCK COMPANIES ONLY)

NOTE.—Data cover practically all stock companies doing casualty or surety business in the United States, including companies which transact life insurance in addition to accident and health business, except as noted. Capital, assets, and net surplus include total amounts of these items for such life insurance companies, while income and disbursements items include accident and health branches only.

[All figures, except number of companies, in thousands of dollars]

Year	Number of companies	Capital	Assets	Net surplus over capital and liabilities	Net premiums ¹	Total income	Payments to policyholders ²	Actual expenses of management (including taxes)	Total expenditures
1895.....	53	20,676	42,211	13,044	16,684	19,318	5,916	8,755	15,695
1900.....	57	23,572	65,808	27,059	27,186	30,348	12,755	15,419	27,507
1905.....	84	43,630	152,866	39,070	55,344	63,191	21,647	28,922	54,354
1910.....	154	65,485	309,716	78,176	94,395	111,042	41,465	57,915	100,113
1915.....	181	78,024	603,670	78,035	160,320	174,892	75,444	74,251	159,397
1920.....	3189	93,737	1,014,386	92,861	459,170	489,774	196,360	183,514	400,724
1921.....	3205	98,874	1,139,586	115,749	467,046	499,742	229,284	205,675	460,522
1922.....	3189	119,890	1,304,134	144,295	444,241	498,143	221,690	201,461	464,551
1923.....	3240	138,251	1,492,323	156,999	545,659	582,827	277,395	238,747	532,945
1924.....	3258	150,009	1,671,188	179,679	613,941	665,365	320,835	251,050	600,568
1925.....	3274	159,630	1,934,744	202,680	698,721	752,037	347,440	286,024	660,092
1926.....	3289	186,265	2,173,151	225,542	764,357	827,911	387,311	312,096	729,230
1927.....	3324	211,356	2,473,647	293,829	834,878	901,494	427,344	341,023	788,865
1928.....	3358	253,675	2,855,115	372,061	922,112	992,696	445,709	362,830	833,435
1929.....	3822	265,449	3,102,552	373,195	943,621	1,037,579	491,584	378,806	925,468
1930.....	3877	266,387	3,192,848	304,313	901,651	1,003,831	534,029	378,621	966,307
1931.....	3711	239,683	3,149,886	232,776	827,847	931,646	529,023	347,925	926,141
1932.....	34182	155,864	2,149,163	167,921	689,387	844,487	415,713	293,060	823,732

¹ Total premium receipts prior to 1910

² Losses paid beginning 1924

³ Number of companies which show figures for the year

⁴ Excludes data for life insurance companies referred to in headnote, which were included in prior years as follows: Number of companies 96, capital \$38,761,000; assets \$974,702,000, net surplus \$40,154,000.

Source of Tables 301 and 302: The Insurance Yearbook of the Spectator Co., New York, N. Y.

No. 303.—STOCK CASUALTY, SURETY, AND MISCELLANEOUS INSURANCE COMPANIES: PREMIUMS AND LOSSES, BY CLASSES OF INSURANCE

NOTE.—Data cover about 80 per cent of the business of stock casualty, surety, and miscellaneous insurance companies, excluding a large number of smaller companies and those that do not transact multiple casualty lines

[All money figures in thousands of dollars]

Class	1931			1932			1933		
	Premiums received	Losses paid	Ratio, per cent	Premiums received	Losses paid	Ratio, per cent	Premiums received	Losses paid	Ratio, per cent
Total	673,762	445,115	66.1	583,007	414,739	71.1	535,801	342,665	64.0
Accident ¹	46,839	28,964	61.8	37,839	24,133	63.8	34,891	20,624	59.1
Automobile collision.....	12,564	8,679	69.1	7,105	4,666	65.7	5,609	3,133	55.9
Automobile fire.....				49	16	31.8	104	35	33.5
Automobile fire, theft, etc. ²	1,442	826	57.3	726	353	48.5	886	360	40.7
Automobile liability.....	191,527	122,886	64.2	179,875	125,256	69.6	160,272	110,886	69.2
Automobile property damage.....	58,830	31,249	53.1	50,816	23,327	45.9	46,254	20,171	43.5
Automobile theft.....				46	26	56.7	90	59	65.6
Automobile (not segregated) ³	5,889	4,828	82.0	7,813	4,892	62.6	10,523	5,488	52.2
Burglary and theft.....	32,636	15,005	46.0	27,147	13,973	51.5	25,641	9,969	38.9
Credit.....	4,446	4,271	96.1	3,648	3,266	89.5	2,037	996	48.9
Engine and machinery.....	2,410	362	15.0	2,065	652	31.6	2,063	635	30.8
Fidelity.....	44,045	23,028	52.3	42,287	23,661	56.0	40,063	17,189	42.9
Health ⁴	15,594	11,411	73.2	13,640	10,634	78.0	11,112	8,302	74.7
Liability.....	57,292	27,791	48.5	52,087	27,931	53.6	51,935	26,904	51.8
Livestock.....	473	635	134.3	351	411	116.9	267	297	111.4
Noncancelable accident and health.....	6,408	4,533	70.7	6,272	4,866	77.6	5,583	5,872	105.2
Plate glass.....	11,828	5,079	42.9	10,229	4,747	46.4	10,562	4,482	42.4
Property damage and collision ⁴	2,925	1,208	41.3	2,441	853	34.9	1,892	727	38.4
Sprinkler and water damage.....	772	328	42.5	584	272	46.6	629	238	37.8
Steam boiler.....	6,613	1,155	17.5	5,087	847	16.6	6,419	1,086	16.9
Surety.....	46,624	48,317	103.6	33,765	45,825	135.7	32,004	29,648	92.6
Taxicab.....	381	155	40.7	843	407	48.4			
Workmen's compensation.....	123,390	103,981	84.3	97,787	93,323	95.4	86,210	75,064	87.1
Other.....	834	424	50.9	505	404	80.0	655	459	70.0

¹ Combined accident and health included with accident.

² Data for motor-vehicle fire and theft insurance of stock fire and marine companies are as follows: 1931, premiums received, \$107,584,000, losses paid \$60,693,000, 1932, premiums received, \$79,983,000, losses paid, \$44,913,000. Data for 1933 are not yet available.

³ Includes small amounts of automobile accident, plate glass, tornado, and other miscellaneous classes

⁴ Other than automobile

Source: The Spectator Co., New York, N. Y.

No. 304.—NET PROFITS OF CORPORATIONS

NOTE.—In millions of dollars. Figures in parentheses indicate the number of companies. For net profits of all corporations as compiled from income-tax returns, see Tables 181 and 182, p. 181

Class and number of companies	1927	1928	1929	1930	1931	1932	1933
Grand total, for companies included¹.....	2,308	2,958	3,303	2,324	1,482	776	1,141
Industrial and mercantile (163).....	994	1,229	1,435	861	380	² 30	260
Automobiles, parts, and accessories (24).....	329	410	357	175	79	² 51	82
Steel and railroad equipment (13).....	149	188	321	164	4	² 180	² 61
Oil (18).....	66	99	120	60	² 40	18	11
Food (22).....	126	139	156	141	117	84	90
Metals and mining (20).....	38	59	82	32	4	² 11	17
Machinery (15).....	42	49	62	39	15	² 7	2
Miscellaneous (51).....	244	285	337	250	181	55	119
Public utilities (161).....	(3)	536	590	578	571	474	409
Telephone (103) ⁴	228	253	276	270	272	224	184
Other public utilities (58).....	(3)	283	314	308	299	250	225
Class I railroads (171)..... ⁵	1,086	1,193	1,277	885	531	332	472

¹ Total for 1927 covers 437 companies, totals for other years cover about 475 to 495 companies (see number of companies given in parentheses in stub and notes 4 and 5)

² Deficit.

³ Data for 58 other public utilities not available

⁴ For 1931 and the second and third quarters of 1932, 104 telephone companies are included making a total of 162 public utilities; for the first and fourth quarters of 1932, 101 telephone companies are included, making a total of 159 public utilities for these two quarters

⁵ For 1932, 167 railroads; for 1933, 150.

Source: Federal Reserve Bank of New York.

No. 305.—FOREIGN CAPITAL ISSUES (GOVERNMENTAL AND CORPORATE) PUBLICLY OFFERED IN THE UNITED STATES

[Amounts in thousands of dollars]

Year	Number of issues	Total nominal capital	Estimated refunding to Americans	Estimated new nominal capital	Year	Number of issues	Total nominal capital	Estimated refunding to Americans	Estimated new nominal capital
1914-----	26	44,670	655	44,015	1924-----	120	1,217,218	247,994	969,224
1915-----	80	817,529	13,675	803,854	1925-----	164	1,316,166	239,700	1,076,466
1916-----	102	1,159,601	3,700	1,155,901	1926-----	230	1,288,469	162,978	1,125,481
1917-----	65	720,297	37,650	682,647	1927-----	265	1,577,414	240,654	1,336,760
1918-----	28	23,465	2,600	20,865	1928-----	221	1,489,362	238,410	1,250,951
1919-----	65	771,045	379,257	391,787	1929-----	148	705,768	34,537	671,231
1920-----	104	602,938	105,500	497,438	1930-----	121	1,087,560	182,227	905,333
1921-----	116	692,413	69,105	623,308	1931-----	41	285,200	56,365	228,835
1922-----	152	863,048	99,421	763,627	1932-----	7	87,885	58,530	29,355
1923-----	76	497,597	77,000	420,597	1933-----	6	70,874	60,091	10,785

Source Bureau of Foreign and Domestic Commerce, Department of Commerce.

No. 306.—CAPITAL ISSUES: SUMMARY, BY CLASSES, 1919 TO 1933

NOTE.—In millions and tenths of millions of dollars. Data cover domestic and foreign issues in the United States. Preferred stocks of no par value and all common stocks are taken at their offering price, other issues at par, except that in the figures for corporate issues for 1912 to 1918 all stocks are included at their market value. Corporate issues for 1912 to 1918 exclude real estate offering and privileged stock subscriptions included in figures beginning 1919, and issues of less than \$100,000. State and municipal issues include bonds issued by States, Territories, and possessions, counties and municipalities, and by school and road districts and other independent governmental bodies.

Year	Total issues	New capital	Refund- ing	Total issues, by kinds						
				Corporate				Farm- loan	State and municipal	Foreign government
				Rail- roads	Public utilities	Indus- trial ¹	Miscel- laneous			
1919-----	4,286 2	3,588 4	697 8	208 1	462 3	1,691 6	377 7	110 0	703.2	533 3
1920-----	4,010 0	3,634 8	375 2	377 9	496 8	1,627 6	464 0	-----	699 5	344 3
1921-----	4,203 8	3,576 7	627 1	655 3	671 1	848 6	215 9	121 9	1,235 7	455 3
1922-----	5,235 9	4,304 4	931 5	651 5	980 4	915 8	525 5	386 4	1,143 7	632 4
1923-----	4,989 7	4,304 4	685 3	518 2	1,138 4	1,044 8	531 4	392 5	1,071 3	293 1
1924-----	6,352 5	5,593 2	759 3	940 3	1,529.6	805 7	563 0	179 1	1,407 8	927 0
1925-----	7,126 0	6,220 2	905 9	514 7	1,710 0	1,270 2	1,243 2	188 2	1,408 4	791 3
1926-----	7,430 3	6,344 1	1,086 1	422 6	1,968 0	1,610 2	1,298 8	131 3	1,375 5	623 9
1927-----	9,933 7	7,791 1	2,142 6	962 8	2,977 4	1,673 8	1,705 2	179 6	1,522 5	912 4
1928-----	9,991 8	8,114 4	1,877 5	727 7	2,562 3	1,816 9	2,710 9	63 9	1,420 9	658 2
1929-----	11,592 2	10,182 3	1,409.4	817 2	2,443 8	2,459 8	4,306 6	-----	1,435 7	130 1
1930-----	7,677 0	7,023 4	653 7	1,026 5	2,566 2	1,151 9	728 6	86 5	1,497 6	619 6
1931-----	4,022 9	3,115 6	907 4	516 5	1,538 9	329 6	202 0	125 6	1,258 0	50 4
1932-----	1,730 3	1,192 2	538 0	61 0	540 3	20 9	21 8	169 6	1,850 8	66 0
1933-----	1,053 2	715.6	337.6	99 9	92 7	186 6	2 3	90 2	1,521 5	60 0

CORPORATE ISSUES BY CLASS OF SECURITY (NEW CAPITAL AND REFUNDING)

Year	Total	Long-term bonds and notes	Short-term bonds and notes	Stocks	Year	Total	Long-term bonds and notes	Short-term bonds and notes	Stocks
1912-----	2,253 6	1,349 5	-----	904 1	1923-----	3,232 8	2,316 4	180 5	736 0
1913-----	1,645 7	1,193 9	-----	451 9	1924-----	3,838 6	2,569 3	403.0	866 3
1914-----	1,436 5	1,174 7	-----	261 8	1925-----	4,738 1	3,040 2	386.9	1,311 0
1915-----	1,435 4	1,110 6	-----	324 7	1926-----	5,299.6	3,648 0	333 8	1,317 8
1916-----	2,186 5	1,405 0	-----	781 5	1927-----	7,319 2	5,190 4	355 5	1,773 3
1917-----	1,530 0	1,075 5	-----	454 5	1928-----	7,817 9	3,916 6	274 1	3,627 2
1918-----	1,344 8	1,047 1	-----	297 7	1929-----	10,026.4	2,842 3	262.6	6,921 4
1919-----	2,739 7	633.7	540 2	1,565 8	1930-----	5,473 3	3,248 0	657.0	1,568 3
1920-----	2,966 3	1,234 4	660 8	1,071 1	1931-----	2,589 0	1,840 8	405.1	343 1
1921-----	2,390 9	1,896 2	215 4	279 3	1932-----	643 9	405 8	214 0	24 0
1922-----	3,073 3	2,304 3	145 0	624 0	1933-----	331 6	138 5	90.4	152 7

¹ Comprises the following classifications given in the original detailed statements. Iron, steel, coal, copper, etc., equipment manufacturers, motors and accessories, oil, rubber, and miscellaneous industrials.

² See note 1, Table 307.

Source Corporate issues prior to 1919 from New York Journal of Commerce, all other data from the Commercial and Financial Chronicle.

No. 307.—CAPITAL ISSUES: CORPORATE, FOREIGN GOVERNMENT, FARM LOAN, AND STATE AND MUNICIPAL

[In millions and tenths of millions of dollars See headnote Table 306]

Kind of issue	1926	1927	1928	1929	1930	1931	1932	1933
TOTAL								
All issues.....	7,430.3	9,933.7	9,991.8	11,592.2	2,677.0	4,022.9	1,730.3	1,053.2
Corporate, total.....	5,299.6	7,319.2	7,817.9	10,026.4	5,473.3	2,589.0	643.9	381.6
Domestic:								
Long-term bonds and notes.....	3,059.1	4,466.2	3,174.1	2,369.4	2,810.3	1,628.0	405.8	138.5
Short-term bonds and notes.....	294.5	302.5	264.9	250.6	620.3	400.1	214.0	88.8
Preferred stocks.....	543.6	1,054.7	1,397.1	1,694.7	421.5	148.0	10.9	15.2
Common stocks.....	676.6	683.5	2,094.1	5,061.8	1,105.0	195.1	13.1	137.4
Canadian.....	203.4	265.4	282.1	314.1	297.1	140.0	-----	1
Other foreign.....	522.4	546.9	605.5	335.7	219.1	77.8	-----	1.6
Canadian Government.....	109.8	135.3	38.1	61.8	137.7	50.4	66.0	60.0
Other foreign government.....	514.1	777.1	651.1	68.3	481.9	-----	-----	-----
Farm-loan issues.....	131.3	179.6	63.9	-----	86.5	125.6	169.6	90.2
State and municipal:								
Domestic.....	1,365.1	1,509.6	1,414.8	1,430.7	1,487.3	1,256.3	1,849.5	1,520.0
U. S. territories and possessions.....	10.4	12.9	6.2	5.1	10.3	1.7	1.3	1.5
NEW CAPITAL								
All issues.....	6,344.1	7,791.1	8,114.4	10,182.8	7,023.4	3,115.5	1,192.2	715.6
Corporate, total.....	4,357.0	5,391.0	6,079.6	8,639.4	4,944.4	1,763.4	325.4	160.7
Domestic:								
Long-term bonds and notes.....	2,417.7	2,962.0	2,174.8	1,873.5	2,459.7	950.7	271.0	23.6
Short-term bonds and notes.....	249.2	220.7	210.5	204.7	520.0	288.7	34.1	16.7
Preferred stocks.....	509.3	874.2	1,149.1	1,516.7	412.2	116.2	10.5	15.2
Common stocks.....	577.8	599.9	1,811.6	4,407.1	1,091.2	195.1	9.7	105.1
Canadian.....	140.9	215.6	183.3	314.1	251.2	140.0	-----	1
Other foreign.....	462.2	518.6	550.2	323.3	210.1	72.8	-----	-----
Canadian Government.....	60.8	89.3	35.1	52.2	130.6	40.9	26.0	-----
Other foreign government.....	481.3	737.6	550.6	68.3	417.3	-----	-----	-----
Farm-loan issues.....	91.1	86.8	63.9	-----	86.5	74.6	77.1	63.9
State and municipal:								
Domestic.....	1,343.5	1,475.0	1,379.1	1,417.8	1,434.3	1,234.8	1,762.5	1,489.5
U. S. territories and possessions.....	10.4	11.4	6.2	5.1	10.3	1.7	1.3	1.5
REFUNDING								
All issues.....	1,086.1	2,142.6	1,877.5	1,409.4	653.7	907.4	538.0	337.6
Corporate, totals.....	942.6	1,928.2	1,738.3	1,386.9	528.9	825.5	318.5	220.9
Domestic:								
Long-term bonds and notes.....	641.4	1,504.2	999.3	495.9	350.6	677.3	134.8	114.9
Short-term bonds and notes.....	45.3	81.8	54.4	45.9	100.2	111.4	179.9	72.1
Preferred stocks.....	34.3	180.5	248.0	178.0	9.4	31.9	4	-----
Common stocks.....	98.8	83.7	282.5	654.7	13.8	-----	3.4	32.3
Canadian.....	62.6	49.8	98.8	-----	45.9	-----	-----	-----
Other foreign.....	60.2	28.3	55.3	12.4	9.0	5.0	-----	1.6
Canadian Government.....	49.0	46.0	3.0	9.6	7.2	9.5	40.0	60.0
Other foreign government.....	32.9	39.5	100.5	-----	64.6	-----	-----	-----
Farm-loan issues.....	40.2	92.8	-----	-----	-----	51.0	92.5	26.3
State and municipal:								
Domestic.....	21.5	34.6	35.6	12.9	53.0	21.4	187.0	130.5
U. S. territories and possessions.....	-----	1.5	-----	-----	-----	-----	-----	-----
CORPORATE ISSUES, NEW CAPITAL								
Total.....	4,357.0	5,391.0	6,079.6	8,639.4	4,944.4	1,763.4	325.4	160.7
Railroads.....	346.0	505.7	364.1	546.5	797.4	345.6	13.1	12.0
Public utilities.....	1,597.9	2,065.3	1,811.5	1,932.0	2,365.1	948.6	274.4	34.2
Iron, steel, coal, copper, etc.....	193.2	100.5	208.2	274.4	200.8	107.2	3.5	3.4
Equipment manufacturers.....	17.8	23.8	9.1	2.4	27.0	12.9	-----	-----
Motors and accessories.....	131.4	94.7	66.3	82.1	16.2	-----	-----	9
Other industrial and manufacturing.....	526.9	705.4	852.5	1,177.2	519.7	136.6	10.9	106.2
Oil.....	262.7	317.3	193.7	270.9	263.5	15.1	-----	1.8
Land, buildings, etc.....	709.5	630.4	716.3	520.4	244.5	129.0	8.1	9
Rubber.....	43.2	12.7	55.9	90.0	33.9	-----	2.2	-----
Shipping.....	21.5	26.3	21.2	31.3	10.0	1.7	-----	-----
Inv. trusts, trading, holding, etc.....	71.1	174.9	786.7	2,222.2	232.7	4.1	1.2	1.1
Miscellaneous.....	435.9	734.0	994.2	1,489.9	233.5	62.6	12.0	3

¹ Figures do not include a total of \$197,274,000 Reconstruction Finance Corporation advances to municipalities, either actually made or proposed to Dec 31, 1932, and \$664,910,000 of Federal Government funds made available to States and municipalities through the facilities of various agencies during 1933

Source. Commercial and Financial Chronicle.

No. 308.—BROKERS' LOANS OUTSTANDING EACH MONTH, 1926 TO 1933

NOTE—In millions of dollars. Figures cover net loans obtained by New York Stock Exchange members on collateral contracted for and carried in New York

End of—	Total								Demand loans		Time loans	
	1926	1927	1928	1929	1930	1931	1932	1933	1932	1933	1932	1933
January.....	3,513	3,139	4,420	6,735	3,685	1,720	512	359	453	255	59	104
February.....	3,536	3,256	4,323	6,673	4,168	1,840	525	360	482	223	43	137
March.....	3,000	3,290	4,640	6,804	4,656	1,909	533	311	497	208	37	103
April.....	2,836	3,341	4,408	6,775	5,063	1,651	379	322	341	207	38	115
May.....	2,767	3,458	5,274	6,665	4,743	1,435	300	529	247	398	53	130
June.....	2,926	3,569	4,898	7,071	3,728	1,391	244	780	189	583	54	198
July.....	2,998	3,642	4,837	7,474	3,689	1,344	242	916	190	680	52	237
August.....	3,142	3,674	5,051	7,882	3,599	1,354	332	917	264	634	68	283
September.....	3,213	3,915	5,514	8,549	3,481	1,044	380	897	270	624	110	272
October.....	3,111	3,946	5,880	6,109	2,556	796	325	776	202	515	123	261
November.....	3,129	4,092	6,392	4,017	2,162	730	338	789	214	544	124	245
December.....	3,233	4,433	6,440	3,990	1,894	587	347	845	226	598	120	247

Source: Federal Reserve Board.

No. 309.—NEW YORK STOCK EXCHANGE TRANSACTIONS

Item	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933
Stocks (millions of shares).....	236	282	454	451	577	920	1,125	810	577	425	655
Bonds, par value (millions of dollars)											
Railway and miscellaneous.....	1,568	2,345	2,332	2,004	2,142	1,967	2,182	1,927	1,846	1,642	2,099
United States Government.....	796	877	331	262	290	188	142	116	286	570	501
State, municipal, and foreign....	425	582	661	721	837	749	658	721	908	755	769

Source: Commercial and Financial Chronicle.

No. 310.—MOVEMENTS OF AVERAGE PRICES OF STOCKS AND BONDS ON THE NEW YORK STOCK EXCHANGE, BY YEARS

Year	Stocks (dollars per share)						Price index, 40 bonds (per cent of par) ²	Bond yields, municipal bonds (per cent) ³
	25 industrials			25 railroads				
	High	Low	Average closing ¹	High	Low	Average closing ¹		
1913	67 08	50 27	58 19	91 42	75.82	82.97	-----	4.45
1914	61.71	48 48	58 08	84 94	66 35	77 57	-----	4.16
1915	109 97	51.85	75.35	82 84	66.13	73 16	76.76	4.23
1916	119 30	86 60	99 14	85 70	74.83	80 05	80.49	4.06
1917	99 74	62 81	85 44	81 22	52 06	69.12	75.58	4.31
1918	91 55	71.31	80.98	70.75	56.94	61 34	69.84	4.58
1919	138 12	80 37	105.77	68 78	54 48	62 06	69.07	4.50
1920	129 83	76 55	107.21	63 55	48.53	55 94	59.70	5.04
1921	90 60	66 24	79.38	56 54	47.59	53 21	60.15	5.02
1922	116 24	79 86	98.58	70 53	52.57	62 38	74.11	4.21
1923	118 44	99 05	107.78	67.05	54.61	60 15	71.72	4.27
1924	135 11	103 26	115.08	81 41	57.80	67 18	74 32	4.21
1925	185 36	128 83	152 65	95 29	73.50	82 48	77.04	4.13
1926	186 03	137 65	165 70	102 60	81.61	93 27	80.28	4.13
1927	247.48	171 49	214.54	124 22	99.34	113 81	83.69	3.99
1928	332.58	233.42	268.92	132 80	112 84	122 06	84 06	4.06
1929	469 49	220 95	366 29	158 71	107.92	135 87	79.21	4.32
1930	338 16	196 67	285 66	139 00	74.20	113 51	81.25	4.12
1931	251 22	110 73	187 15	94 93	24.49	63 01	74.95	4.07
1932	129.16	57 62	93 63	33 96	10 34	21 99	49.97	4.77
1933	150 21	75 39	118.42	47 57	18 31	30 84	58 64	5.14

¹ Average of Saturday closing prices for these stocks

² Computed from the yields on the average prices of the selected bonds for each day of the month, the average yield being capitalized at 4 per cent to give the combined index.

³ A average market yield of bonds of 20 large cities at the end of each month since Jan 31, 1917; previous figures are for the first of the month.

Sources: Stock prices, The Annalist; bond price index, Dow, Jones & Co.; bond yields, the Bond Buyer.

No. 311.—COMMERCIAL FAILURES: NUMBER AND ASSETS AND LIABILITIES

Calendar year	Number of failures	Aggregate liabilities	Average liability	Calendar year	Total number of concerns in business	Number of failures	Aggregate assets	Aggregate liabilities	Average liability
		<i>1,000 dollars</i>	<i>Dollars</i>				<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>Dollars</i>
1857	4,932	291,750	59,155	1896	1,151,579	15,088	156,082	226,096	14,985
1858	4,225	95,749	22,602	1897	1,058,521	13,351	105,014	154,382	11,559
1859	3,913	64,394	16,456	1898	1,105,830	12,186	82,577	130,653	10,722
1860	3,676	79,807	21,710	1899	1,147,695	9,337	50,221	90,880	9,733
1861	6,993	207,210	29,631	1900	1,174,300	10,774	78,080	138,496	12,854
1862	1,652	23,049	13,952	1901	1,219,242	11,002	55,456	113,092	10,279
1863	495	7,900	15,958	1902	1,253,172	11,615	58,730	117,477	10,137
1864	520	8,579	16,498	1903	1,281,481	12,069	90,014	155,444	12,879
1865	530	17,625	33,255	1904	1,320,172	12,199	84,438	144,202	11,820
1866	1,505	53,783	35,736	1905	1,357,455	11,520	57,826	102,676	8,913
1867	2,780	96,066	34,772	1906	1,392,949	10,682	66,610	119,202	11,159
1868	2,608	63,694	24,423	1907	1,418,075	11,725	138,536	197,385	16,834
1869	2,799	75,054	26,815	1908	1,447,554	15,690	146,199	222,316	14,169
1870	3,546	88,242	24,885	1909	1,486,389	12,924	102,773	154,603	11,963
1871	2,915	85,252	29,246	1910	1,515,143	12,652	130,538	201,757	15,947
1872	4,089	121,056	29,751	1911	1,525,024	13,441	124,517	191,062	14,215
1873	5,183	228,500	44,086	1912	1,564,279	15,452	126,287	203,117	13,145
1874	5,830	155,239	26,628	1913	1,616,517	16,037	174,688	272,672	17,003
1875	7,740	201,060	25,977	1914	1,655,496	18,280	265,293	357,809	19,579
1876	9,092	191,118	21,020	1915	1,674,788	22,156	183,454	302,286	13,644
1877	8,872	190,670	21,491	1916	1,707,639	16,993	113,599	196,212	11,547
1878	10,478	234,383	22,369	1917	1,733,225	13,855	103,465	182,441	13,168
1879	6,658	98,149	14,741	1918	1,708,061	9,982	101,638	163,020	16,331
1880	4,735	65,752	13,886	1919	1,710,909	6,451	67,039	113,291	17,561
1881	5,582	81,156	14,530	1920	1,821,409	8,881	195,504	295,122	33,230
1882	6,738	101,548	15,070	1921	1,927,304	19,652	409,038	627,402	31,926
1883	9,184	172,874	18,823	1922	1,983,106	23,676	413,358	623,896	26,351
1884	10,968	226,343	20,632	1923	1,996,004	18,718	388,382	539,387	28,816
1885	10,637	134,220	11,678	1924	2,047,302	20,616	337,945	543,225	26,361
1886	9,834	114,644	11,651	1925	2,113,312	21,214	248,067	443,744	20,918
1887	9,634	167,561	17,392	1926	2,158,457	21,773	202,345	409,232	18,795
1888	10,879	123,832	11,566	1927	2,171,688	23,146	256,740	520,104	22,471
1889	10,672	148,784	13,672	1928	2,199,049	23,842	255,478	489,560	20,533
1890	10,907	189,857	17,406	1929	2,212,779	22,909	226,028	488,250	21,094
1891	12,273	189,869	15,471	1930	2,183,008	26,355	442,900	668,284	25,367
1892	10,344	114,044	11,025	1931	2,125,288	28,285	434,939	736,309	26,032
1893	15,242	346,780	22,751	1932	2,076,580	31,822	509,135	928,313	29,172
1894	13,885	172,993	12,458	1933	1,960,701	20,307	270,730	502,831	24,761
1895	13,197	173,196	13,124						

	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov.	Dec
Number of failures:												
1923	2,126	1,508	1,682	1,520	1,530	1,358	1,231	1,319	1,226	1,673	1,704	1,841
1924	2,108	1,730	1,817	1,707	1,816	1,077	1,615	1,520	1,306	1,696	1,653	2,040
1925	2,317	1,793	1,859	1,939	1,767	1,745	1,685	1,513	1,465	1,586	1,672	1,878
1926	2,296	1,801	1,984	1,957	1,730	1,708	1,605	1,593	1,437	1,763	1,830	2,159
1927	2,465	2,035	2,143	1,968	1,852	1,833	1,756	1,708	1,573	1,787	1,864	2,162
1928	2,643	2,176	2,236	1,818	2,008	1,947	1,723	1,852	1,635	2,023	1,838	1,943
1929	2,535	1,965	1,987	2,021	1,897	1,767	1,752	1,762	1,568	1,822	1,796	2,037
1930	2,759	2,262	2,347	2,198	2,179	2,026	2,028	1,913	1,963	2,124	2,031	2,525
1931	3,316	2,563	2,604	2,383	2,248	1,993	1,983	1,944	1,936	2,362	2,195	2,758
1932	3,458	2,732	2,951	2,816	2,788	2,688	2,596	2,796	2,182	2,273	2,073	2,469
1933	2,919	2,378	1,948	1,921	1,909	1,648	1,421	1,472	1,116	1,206	1,237	1,132
Liabilities (1,000 dollars)												
1923	49,210	40,628	48,393	51,492	41,022	28,678	35,721	34,335	28,699	79,302	50,292	51,615
1924	51,273	35,942	97,651	48,904	36,591	34,099	36,813	55,154	34,296	36,099	31,124	45,279
1925	54,354	40,123	94,005	37,189	37,027	36,701	34,505	37,159	30,687	29,544	35,922	36,528
1926	43,631	34,176	30,623	38,487	33,543	29,408	29,680	28,130	29,990	33,231	32,694	45,620
1927	51,290	46,941	57,891	53,156	37,785	34,465	43,150	39,196	32,786	36,238	36,147	51,062
1928	47,634	45,071	54,814	37,985	36,117	29,827	29,587	58,202	33,957	34,990	40,601	40,774
1929	52,877	34,036	36,358	35,270	41,216	31,375	32,426	33,746	34,125	31,314	52,046	67,465
1930	61,185	51,326	56,846	49,059	65,541	63,131	39,826	49,181	46,947	56,297	55,261	83,653
1931	94,608	59,608	60,387	50,868	63,371	51,656	60,968	53,025	47,256	70,660	60,733	213
1932	96,860	84,900	93,760	101,069	83,764	76,943	87,190	77,031	56,128	52,873	53,621	64,898
1933	79,101	65,576	48,500	51,097	47,972	35,345	27,481	42,776	21,847	30,582	25,353	27,200

Source: Dun and Bradstreet, Inc., New York, N. Y.

No. 312.—COMMERCIAL FAILURES: BY STATES, 1933

[Assets and liabilities in thousands of dollars]

Division and State	Number of concerns in business	Failures								
		Total			Manufacturing		Trading		Agents, brokers, etc	
		Number	Assets	Liabilities	Number	Liabilities	Number	Liabilities	Number	Liabilities
United States.....	1,960,701	20,307	270,730	502,831	4,615	179,933	14,105	233,014	1,587	89,883
New England.....	153,113	2,267	17,801	44,942	655	17,487	1,410	20,028	202	7,428
Maine.....	16,577	181	977	2,594	27	1,090	133	1,269	21	235
New Hampshire.....	10,099	100	880	2,073	25	752	66	1,005	9	316
Vermont.....	6,711	31	533	987	10	776	19	163	2	49
Massachusetts.....	78,533	1,090	9,230	27,010	351	10,539	607	10,459	132	6,013
Rhode Island.....	11,778	256	713	1,600	67	619	177	841	12	140
Connecticut.....	29,415	609	5,468	10,678	175	3,711	408	6,291	26	675
Middle Atlantic.....	488,179	6,326	89,445	192,335	1,748	66,659	3,921	82,123	657	43,563
New York.....	243,760	4,131	49,917	122,394	1,201	40,636	2,442	48,071	488	33,687
New Jersey.....	78,874	842	6,221	22,606	249	8,108	518	10,644	75	3,854
Pennsylvania.....	165,545	1,353	33,307	47,335	298	17,916	961	23,408	94	6,011
East North Central.....	411,841	3,832	66,717	115,032	898	44,612	2,698	50,034	238	20,385
Ohio.....	109,698	1,114	19,898	29,926	237	11,792	805	14,385	72	3,749
Indiana.....	54,065	340	3,899	10,786	89	7,539	229	2,916	22	331
Illinois.....	131,837	1,309	24,123	48,446	344	17,034	884	19,077	81	12,336
Michigan.....	62,933	491	8,388	11,791	103	3,694	358	5,966	30	2,131
Wisconsin.....	53,308	578	10,409	14,082	125	4,564	420	7,690	33	1,838
West North Central.....	228,500	1,596	18,495	25,027	220	7,110	1,295	13,832	81	4,085
Minnesota.....	39,298	434	5,647	8,193	63	3,003	346	4,596	25	595
Iowa.....	44,492	264	4,151	5,201	37	1,125	216	2,431	11	1,645
Missouri.....	61,526	403	4,686	6,225	76	1,672	303	2,964	24	1,589
North Dakota.....	11,663	43	410	456	3	29	39	392	1	35
South Dakota.....	11,875	60	567	691	2	63	57	530	1	98
Nebraska.....	25,337	237	1,479	2,439	26	594	198	1,778	13	67
Kansas.....	34,309	155	1,555	1,821	13	624	136	1,141	6	56
South Atlantic.....	193,451	1,662	27,684	38,273	302	17,008	1,244	17,769	116	3,496
Delaware.....	4,549	18	348	401	5	164	12	216	1	21
Maryland.....	31,740	362	8,934	12,038	94	6,704	219	3,209	49	2,125
Dist. of Columbia.....	10,663	75	569	1,382	11	178	57	799	7	405
Virginia.....	30,029	244	1,945	3,312	36	467	199	2,786	9	59
West Virginia.....	22,451	204	3,312	5,015	51	2,234	195	2,359	18	423
North Carolina.....	30,675	295	8,100	9,202	50	5,310	234	3,706	11	186
South Carolina.....	13,769	34	612	723	2	154	32	569	-----	-----
Georgia.....	26,840	235	1,781	3,341	36	940	181	2,166	18	235
Florida.....	22,735	135	2,181	2,860	17	857	115	1,960	3	42
East South Central.....	99,838	883	13,845	20,755	129	7,276	705	11,623	49	1,855
Kentucky.....	32,673	183	2,324	3,109	30	869	145	2,052	8	188
Tennessee.....	28,355	321	5,144	7,320	60	2,289	237	4,549	24	481
Alabama.....	21,527	223	4,541	7,895	31	3,858	177	2,879	15	1,158
Mississippi.....	17,283	156	1,837	2,432	8	261	146	2,143	2	28
West South Central.....	163,551	945	11,914	20,337	120	4,547	792	14,877	33	914
Arkansas.....	19,451	203	3,598	4,310	25	937	167	3,168	11	205
Louisiana.....	24,422	106	1,654	2,124	18	288	86	1,705	2	131
Oklahoma.....	33,575	202	2,512	3,515	22	953	174	2,424	6	138
Texas.....	86,103	434	4,150	10,388	55	2,369	365	7,580	14	439
Mountain.....	59,051	633	5,610	8,329	86	3,109	508	4,639	39	581
Montana.....	9,029	82	393	662	8	176	68	451	6	35
Idaho.....	7,637	63	187	784	8	467	51	268	4	49
Wyoming.....	3,891	36	161	295	1	18	33	271	2	6
Colorado.....	18,079	215	3,303	4,103	33	1,942	167	1,919	15	246
New Mexico.....	5,454	52	389	585	6	210	44	367	2	8
Arizona.....	5,783	50	462	714	3	24	44	536	3	153
Utah.....	7,252	121	534	937	25	170	89	682	7	85
Nevada.....	1,926	14	181	245	2	101	12	143	-----	-----
Pacific.....	163,177	2,163	19,219	37,801	457	12,126	1,534	18,088	172	7,586
Washington.....	33,228	423	2,888	5,979	83	2,060	308	3,103	32	816
Oregon.....	19,562	332	1,567	4,159	68	2,128	227	1,478	37	553
California.....	110,387	1,408	14,764	27,663	306	7,938	999	13,507	103	6,217

Source: Dun and Bradstreet, Inc., New York, N. Y.

No. 313.—COMMERCIAL FAILURES, BY BRANCHES OF BUSINESS

NOTE.—Iron, woollens, and cottons include all branches of those manufactures, machinery, vehicles, etc., includes shipbuilding, hardware, fixtures, and implements, lumber includes furniture, clothing includes furnishings, chemicals include chemical fertilizers, glass, etc., includes pottery, lime, cement, and stone. In the trading group, groceries includes creameries, hotels include lodging houses and caterers, dry goods includes department stores; furniture includes glass and glassware. Agents, brokers, etc., include real estate, insurance, storage, express, harbor lines, etc.

	Number				Aggregate liabilities (in thousands of dollars)				Average liability, 1933 (dollars)
	1930	1931	1932	1933	1930	1931	1932	1933	
Total commercial	26,355	28,285	31,822	20,307	668,284	736,309	928,313	502,831	24,761
Total manufacturing	6,278	6,412	7,279	4,615	238,639	283,453	350,097	179,933	38,989
Iron, steel and foundries.....	103	181	286	250	2,970	19,826	19,920	11,302	45,208
Machinery, vehicles, etc.....	330	409	506	311	18,836	52,003	32,777	14,862	47,788
Woollens, carpets, etc.....	30	54	61	33	2,047	5,516	3,013	1,022	30,970
Cottons and lace.....	26	11	38	14	4,620	4,807	8,345	2,861	204,357
Lumber and building lines.....	1,041	751	891	512	55,230	44,656	66,082	29,337	57,299
Clothing and furnishings.....	579	707	840	298	16,392	14,625	23,299	7,101	23,829
Hats, gloves, and furs.....	215	215	277	134	5,426	5,221	7,369	1,870	13,955
Chemicals and drugs.....	94	102	156	120	3,237	4,425	9,108	8,143	67,858
Paints.....	20	26	44	18	1,133	2,692	1,569	772	42,889
Printing and engraving.....	212	260	384	313	7,178	9,471	13,035	8,123	25,952
Milling and bakers.....	449	493	554	358	6,266	7,848	8,586	4,433	12,383
Leather, shoes, saddlery, and trunks.....	150	203	248	155	7,451	5,864	14,872	5,972	38,529
Tobacco, etc.....	73	100	115	111	1,542	2,208	2,485	2,731	24,604
Glass, earthenware, and brick.....	115	106	237	215	7,659	10,539	11,563	9,706	45,144
All other.....	2,841	2,794	2,642	1,773	98,633	93,853	128,077	71,696	40,438
Total trading	18,393	20,170	22,624	14,105	272,930	355,858	431,179	233,014	16,520
General stores.....	1,197	1,408	1,461	782	15,966	24,700	26,541	13,122	16,780
Groceries, meat, and fish.....	3,309	3,719	4,311	3,449	31,925	44,346	47,221	35,522	10,299
Hotels and restaurants.....	1,132	1,159	1,258	865	20,882	44,001	51,538	21,225	24,638
Tobacco, etc.....	272	295	280	166	2,543	3,152	3,923	1,507	9,078
Clothing and furnishings.....	2,819	3,055	3,680	1,692	35,292	47,165	57,188	22,094	13,053
Dry goods and carpets.....	1,267	1,441	1,623	857	25,986	26,054	36,033	17,341	20,235
Shoes and luggage.....	724	858	950	579	7,325	12,926	12,995	6,827	11,791
Furniture and crockery.....	866	937	1,108	465	18,195	25,431	29,192	13,015	27,989
Hardware, stoves, and tools.....	643	763	807	589	9,531	11,647	13,403	8,912	15,131
Chemicals and drugs.....	982	1,151	1,422	1,104	10,781	13,947	18,541	14,990	13,578
Paints.....	116	109	127	95	1,844	1,546	1,425	1,374	14,463
Jewelry and clocks.....	493	663	779	410	8,074	12,885	17,664	7,425	18,110
Books and papers.....	163	218	276	167	1,545	3,307	4,583	2,902	17,377
Hats, furs, and gloves.....	161	126	210	175	5,048	1,891	5,413	2,275	13,000
All other.....	4,249	4,268	4,332	2,710	77,993	82,360	105,523	64,483	23,794
Agents, brokers, etc.	1,684	1,703	1,919	1,587	156,714	97,499	147,037	89,883	56,637

Year	Number of failures				Liabilities (in thousands of dollars)			
	Total	Manufacturing	Trading	Agents, brokers, etc.	Total	Manufacturing	Trading	Agents, brokers, etc.
1914.....	18,280	4,620	12,851	809	357,909	135,636	165,865	56,408
1915.....	22,158	5,116	16,030	1,010	302,286	112,028	150,284	40,026
1916.....	16,993	4,196	11,923	874	196,212	73,000	91,374	31,839
1917.....	13,855	3,691	9,430	734	182,441	79,544	70,117	32,781
1918.....	9,982	2,766	6,494	722	163,020	73,382	57,911	31,727
1919.....	6,451	1,865	4,013	573	113,291	51,614	37,679	24,007
1920.....	8,881	2,635	5,532	714	295,122	127,992	88,558	78,571
1921.....	19,652	4,495	13,999	1,158	627,402	232,907	254,794	139,700
1922.....	23,676	5,682	16,923	1,071	623,896	214,925	271,388	137,583
1923.....	18,718	4,968	13,064	686	539,387	281,316	209,930	48,140
1924.....	20,615	5,208	14,393	1,014	543,225	286,770	203,190	53,265
1925.....	21,214	5,090	15,161	963	443,744	167,685	215,369	60,691
1926.....	21,773	5,395	15,268	1,110	409,232	158,042	201,334	49,856
1927.....	23,146	5,682	16,082	1,382	520,104	211,505	228,194	80,405
1928.....	23,842	5,924	16,477	1,441	489,580	182,478	225,301	81,780
1929.....	22,909	6,007	15,417	1,485	483,250	186,734	224,731	71,784

Source: Dun and Bradstreet, Inc., New York, N. Y.

14. PRICES

GENERAL NOTE.—The wholesale price index of the Department of Labor is based on primary market quotations of 784 commodities beginning 1926, a smaller number of commodities was covered in earlier years. In weighting the prices included in the index, the biennial census reports of 1923 and 1925 have been used for most manufactured products and for other products the average for the years 1923 to 1925 where trustworthy information was available as in the case of agricultural products. Beginning with 1921, in computing indexes for commodity groups, articles falling under more than one of the classifications adopted were included under each classification. For example, articles produced on the farm which reach the consumer practically unchanged in form, such as potatoes, milk, and eggs, were included among both farm products and foods. However, in computing the index for all commodities such articles were counted only once.

The retail food index is based on the weighted average quotations (weighted by average family consumption in 1918), secured from retail stores in 51 cities since 1920 (from a smaller number in earlier years) for 22 commodities from 1913 to 1920, and 42 commodities beginning 1921. Prior to August 1933, prices were collected on the 15th of the month; thereafter they were collected every 2 weeks.

The farm price index is based on prices paid to producers for 34 major crops and beginning 1924, also 13 commercial truck crops: Average quotations for the period, August, 1909-July, 1914, are used as a base, and each price series is weighted by the average annual marketings of farmers in the years 1924 to 1929.

No. 314.—WHOLESALE, RETAIL, AND FARM PRICES: INDEX NUMBERS

Year	Yearly average	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1926 average=100													
Wholesale prices													
1918.....	131 3	125 0	122.7	126.4	128.3	128 1	129.0	132.0	134.3	137.5	136.3	136 3	136.3
1919.....	138 6	134 4	129.8	131.3	133.0	135.3	135.6	141.1	144.3	141.1	141.6	144.5	150.5
1920.....	154.4	157.7	157.1	158.6	165 5	167 2	166 5	165 8	161.4	155.2	144.2	133 4	120.7
1921.....	97 6	114 0	104 9	102.4	98.9	96 2	93.4	93 4	93.5	93 4	94.1	94 2	92.9
1922.....	96 7	91.4	92 9	92.8	93.2	96 1	96 3	99.4	98.6	99.3	99.6	100 5	100.7
1923.....	100 6	102.0	103 3	104.5	103 9	101 9	100.3	98 4	97.8	99.7	99.4	98 4	98.1
1924.....	98 1	99 6	99 7	98 5	97.3	95.9	94 9	95 6	97.0	97.1	98.2	99 1	101.5
1925.....	103 5	102 9	104 0	104.2	101.9	101 6	103.0	104.3	103 9	103.4	103.6	104.5	103.4
1926.....	100 0	103 2	102 0	100.6	100 3	100 5	100.4	99 5	99.1	99.7	99.4	98 4	97.9
1927.....	95 4	96 5	95 8	94.7	94.1	94.2	94.1	94 3	95.2	96.3	96.6	96 3	96.4
1928.....	96 7	96.4	95 8	95 5	96 6	97.5	96 7	97 4	97.6	98 6	96.7	95 3	95.5
1929.....	95.3	95.9	95 4	96.1	95.5	94.7	95 2	96 5	96.3	96.1	95.1	93.5	93.3
1930.....	86 4	92 5	91.4	90.2	90 0	88 3	86 8	84 4	84.3	84.4	83.0	81 3	78.6
1931.....	73 0	78.2	76 8	76.0	74.8	73 2	72.1	72 0	72.1	71.2	70.3	70.2	69.6
1932.....	64.8	67.3	66 3	66 0	65 5	64 4	63 9	64 5	65 2	65.3	64 4	63 9	62.6
1933.....	65 9	61.0	59 8	60 2	60.4	62 7	65 0	68 9	69 5	70 8	71.2	71.1	70.8
1913 average=100													
Retail food prices													
1918.....	168 3	160	161	154	154	158	162	168	171	178	181	183	187
1919.....	185 9	185	172	175	182	185	184	190	192	188	189	192	197
1920.....	203 4	201	200	200	211	215	219	219	207	204	198	193	178
1921.....	153 3	172	158	156	152	145	144	148	155	153	153	152	150
1922.....	141 6	142	142	139	139	139	141	142	139	140	143	145	147
1923.....	146 2	144 4	142 3	141 9	143.1	143 4	144 3	147.2	146.4	149.3	149.8	151.1	150 3
1924.....	145 9	149 1	147.3	143 7	141 3	141.0	142.4	143 3	144 2	146 8	148.7	150.1	151.5
1925.....	157 4	154 3	151 4	151 1	150 8	151 6	155 0	159 9	160 4	159 0	161.6	167.1	165.5
1926.....	160 6	164.3	161 5	159 9	162 4	161 1	159.7	157 0	155 7	158.5	160.0	161.6	161.8
1927.....	155.4	159 3	156.0	153 8	153.6	155 4	158.5	153.4	152.4	154 0	156.1	156.5	155.9
1928.....	154 3	155 1	151.6	151 4	152 1	153 8	152 6	152 8	154 2	157.8	156.8	157.3	155.8
1929.....	156 7	154 6	154.4	153 0	151 6	153 3	154 8	158.5	160 2	160 8	160 5	159.7	158 0
1930.....	147 1	155 4	153.0	150 1	151.2	150 1	147 9	144 0	143 7	145 6	144 4	141.4	137.2
1931.....	121 3	132 8	127 0	126.4	124 0	121.0	118 3	119.0	119 7	119 4	119 1	116.7	114.3
1932.....	102 1	109 3	105 3	105 0	103 7	101.3	100 1	101.0	100 8	100 3	100.4	99.4	98.7
1933.....	99 7	94 8	90 9	90 5	90 4	93 7	96 7	104 8	106 7	107 0	107 3	106.8	103.9
August, 1909-July, 1914=100													
Farm prices.¹													
1918.....	202	198	200	199	197	196	193	197	207	213	209	205	208
1919.....	213	206	197	197	206	213	213	220	223	215	219	227	227
1920.....	211	229	228	229	239	244	242	231	213	197	183	165	148
1921.....	125	142	130	127	118	113	113	116	123	128	134	130	130
1922.....	132	123	128	130	130	134	136	134	131	129	133	137	143
1923.....	142	146	144	143	143	141	137	136	137	142	144	147	148
1924.....	143	148	147	140	139	137	138	139	147	141	147	145	148
1925.....	156	155	154	156	152	152	156	158	160	155	156	156	155
1926.....	145	153	152	149	151	150	148	144	141	143	138	138	135
1927.....	139	133	132	131	131	134	138	139	142	148	148	147	147
1928.....	149	149	144	145	148	155	150	152	145	149	148	146	147
1929.....	146	147	145	146	144	142	142	147	152	150	149	145	147
1930.....	126	145	140	135	136	134	131	120	118	120	113	110	104
1931.....	87	101	95	97	97	92	86	86	82	80	77	79	75
1932.....	65	71	68	69	67	63	58	63	65	66	64	62	63
1933.....	70	60	55	55	58	68	71	83	79	80	78	80	78

¹ Revised series. Truck crops are included beginning 1924.

Sources. Wholesale and retail prices, Department of Labor; farm prices, Department of Agriculture.

No. 315.—WHOLESALE PRICES BY MAJOR COMMODITY GROUPS: INDEX NUMBERS

NOTE.—See general note, page 283. For indexes for all commodities for prior years see Table 316. For index numbers (based on 1923-1925 as 100) showing price changes in farm products and foods compared with all other commodities combined, see Table 549, p. 573

[1926=100, except as noted]

Period	All commodities	Farm products	Foods	Hides and leather products	Textile products	Fuel and lighting	Metals and metal products	Building materials	Chemicals and drugs	House furnishing goods	Miscellaneous
1890	56 2	50 4	55 5	47 5	57 8	38 1	105 3	46 5	73 2	49 9	97 9
1891	55 8	54 2	54 8	47 9	54 6	37 0	92 2	44 2	74 0	50 4	94 3
1892	52 2	49 5	51 0	47 2	55 2	34 8	84 0	41 7	74 6	48 1	86 6
1893	53 4	51 3	54 7	45 1	54 1	35 3	76 8	41 6	72 7	48 1	89 0
1894	47 9	44 6	48 2	43 0	46 1	34 3	65 7	39 8	65 5	45 3	86 4
1895	48 8	43 9	47 3	49 4	44 3	40 3	70 4	38 8	64 7	43 5	88 9
1896	46 5	39 6	44 1	45 2	43 1	39 5	71 2	38 9	65 0	43 4	90 2
1897	46 0	42 5	45 5	45 9	42 9	33 9	65 0	37 4	70 9	42 5	92 5
1898	48 5	44 9	47 8	48 3	44 9	34 5	65 3	39 6	77 4	44 0	93 4
1899	52 2	45 8	47 7	49 4	47 7	41 2	100 0	43 6	81 1	45 0	97 4
1900	56 1	50 5	50 8	49 4	53 3	46 3	98 0	46 2	82 1	48 9	102 0
1901	55 3	52 8	50 5	48 9	48 1	44 6	93 1	44 3	84 2	48 9	93 4
1902	58 9	58 4	53 3	50 8	49 4	51 8	91 0	45 3	86 5	49 2	88 1
1903	59 6	55 6	52 0	49 9	52 8	60 3	90 2	46 7	84 1	50 9	98 9
1904	59 7	58 5	54 0	49 7	52 9	53 3	79 9	45 0	84 1	50 3	109 5
1905	60 1	56 4	55 1	53 9	54 1	49 6	89 1	48 1	82 3	49 7	117 4
1906	61 8	57 3	53 4	57 7	58 7	52 0	102 4	54 0	76 8	51 3	115 3
1907	65 2	62 2	57 0	58 0	63 5	54 4	109 8	56 8	78 5	55 0	108 2
1908	62 9	62 2	58 7	55 6	54 8	53 7	86 3	52 0	79 6	51 6	97 8
1909	67 6	69 6	62 6	61 5	56 5	51 6	84 5	53 7	79 9	51 7	129 6
1910	70 4	74 3	64 9	60 2	58 4	47 6	85 2	55 3	82 0	54 0	152 7
1911	64 9	66 8	62 0	58 8	55 3	46 7	80 8	55 3	81 6	52 7	108 6
1912	69 1	72 6	66 8	64 5	55 7	51 4	89 5	55 9	80 7	53 0	106 4
1913	69 8	71 5	64 2	68 1	57 3	61 3	90 8	56 7	80 2	56 3	93 1
1914	68 1	71 2	64 7	70 9	54 6	56 6	80 2	52 7	81 4	56 8	89 9
1915	69 5	71 5	65 4	75 5	54 1	51 8	86 3	53 5	112 0	56 0	86 9
1916	85 5	84 4	75 7	93 4	70 4	74 3	116 5	67 6	160 7	61 4	100 6
1917	117 5	129 0	104 5	123 8	98 7	105 4	150 6	88 2	165 0	74 2	122 1
1918	131 3	148 0	119 1	125 7	137 2	109 2	136 5	98 6	182 3	93 3	134 4
1919	138 6	157 6	129 5	174 1	135 3	104 3	130 9	115 6	187 0	105 9	139 1
1920	154 4	150 7	137 4	171 3	164 8	163 7	149 4	150 1	164 7	141 8	167 5
1921	97 6	88 4	90 6	109 2	94 5	96 8	117 5	97 4	115 0	113 0	109 2
1922	96 7	93 8	87 8	104 6	100 2	107 3	102 9	97 3	100 3	103 5	92 8
1923	100 6	98 6	92 7	104 2	111 3	97 3	109 3	108 7	101 1	108 9	99 7
1924	98 1	100 0	91 0	101 5	106 7	92 0	106 3	102 3	98 9	104 9	93 6
1925	103 5	109 8	100 2	105 3	108 3	96 5	103 3	101 7	101 8	103 7	109 0
1926	100 0	100 0	100 0	100 0	100 0	100 0	100 0	100 0	100 0	100 0	100 0
1927	95 4	99 4	96 7	107 7	95 6	88 3	96 3	94 7	96 8	97 5	91 0
1928	96 7	105 9	101 0	121 4	95 5	84 3	97 0	94 1	95 6	95 1	85 4
1929	95 3	104 9	99 9	109 1	90 4	83 0	100 5	95 4	94 2	94 3	82 6
1930	86 4	88 3	90 5	100 0	80 3	78 5	92 1	89 9	89 1	92 7	77 7
1931	73 0	64 8	74 6	86 1	66 3	67 5	84 5	79 2	79 3	84 9	69 8
1932	64 8	48 2	61 0	72 9	54 9	70 3	80 2	71 4	73 5	75 1	64 4
1933	65 9	51 4	60 5	80 9	64 8	66 3	79 8	77 0	72 6	75 8	62 5
1933 (1913=100)	94 4	71 9	94 2	118 8	113 1	108 2	87 9	135 8	90 5	134 6	67 1
1931											
January-March	77 0	71 3	78 8	87 7	70 7	71 4	86 6	82 9	83 6	88 1	71 9
April-June	73 4	67 5	74 5	87 7	67 4	64 5	85 0	80 3	84 6	87 0	70 6
July-September	71 8	63 0	74 1	87 7	65 5	65 6	84 0	77 6	77 4	84 4	68 7
October-December	69 7	57 7	71 1	81 3	62 0	68 5	82 5	76 0	75 9	80 1	67 4
1932											
January-March	66 5	51 2	63 2	78 3	59 0	68 0	81 2	73 8	75 5	77 4	65 0
April-June	64 6	47 2	59 7	72 8	54 4	70 8	80 1	71 6	73 7	75 3	64 4
July-September	65 0	48 7	61 5	70 2	53 3	71 7	79 8	69 9	73 1	73 8	64 5
October-December	63 6	45 9	59 8	71 3	54 0	70 6	79 8	70 7	72 5	73 7	63 7
1933											
January	61 0	42 6	55 8	68 9	51 9	66 0	78 2	70 1	71 6	72 9	61 2
February	59 8	40 9	53 7	63 0	51 2	63 6	77 4	69 8	71 3	72 3	59 8
March	60 2	42 8	54 6	68 1	51 3	62 9	77 2	70 3	71 2	72 2	58 9
April	60 4	44 5	56 1	69 4	51 8	61 5	76 9	70 2	71 4	71 5	57 8
May	62 7	50 2	59 4	76 9	55 9	60 4	77 7	71 4	73 2	71 7	58 9
June	65 0	53 2	61 2	82 4	61 5	61 5	79 3	74 7	73 7	73 4	60 8
July	68 9	60 1	65 5	86 3	68 0	65 3	80 6	79 5	73 2	74 8	64 0
August	69 5	57 6	64 8	91 7	74 6	65 5	81 2	81 3	73 1	77 6	65 4
September	70 8	57 0	64 9	92 3	76 9	70 4	82 1	82 7	72 7	79 3	65 1
October	71 2	55 7	64 2	89 0	77 1	73 6	83 0	83 9	72 7	81 2	65 3
November	71 1	56 6	64 3	88 2	76 8	73 5	82 7	84 9	73 4	81 0	65 5
December	70 8	55 5	62 5	89 2	76 4	73 4	83 5	85 6	73 7	81 0	65 7

No. 316.—WHOLESALE PRICES. INDEX NUMBERS, 1860 TO 1889

NOTE.—1923=100 Indexes are arithmetic averages of unweighted relative prices, published in 1893 by the Committee on Finance, United States Senate, on an 1860 base, recomputed to the 1923 base by the Bureau of Labor Statistics, Department of Labor

Year	General index	Year	General index	Year	General index
1860.....	61	1870.....	87	1880.....	65
1861.....	61	1871.....	83	1881.....	64
1862.....	72	1872.....	84	1882.....	66
1863.....	90	1873.....	84	1883.....	65
1864.....	116	1874.....	81	1884.....	60
1865.....	132	1875.....	78	1885.....	57
1866.....	116	1876.....	72	1886.....	56
1867.....	105	1877.....	68	1887.....	56
1868.....	98	1878.....	62	1888.....	57
1869.....	94	1879.....	59	1889.....	57

No. 317.—WHOLESALE PRICES OF COMMODITY SUBGROUPS: INDEX NUMBERS

NOTE.—1923=100 Each of the 10 groups covered by Table 315 is divided into from 2 to 7 subgroups. See also general note p 283 regarding commodities included in two groups

Subgroup	1913	1923-1925	1929	1930	1931	1932	1933	1932		1933	
								June	Dec.	June	Dec.
Grains.....	71 1	102 3	97 4	78.3	53 0	39.4	53.1	37.7	31 7	57 4	60 4
Livestock and poultry.....	73 3	85 3	106.1	89.2	63 9	48.2	43.4	46.7	38 7	46 6	38 0
Other farm products.....	70.8	115.1	106.6	91.1	69 2	51.4	55 8	48.2	51.3	56 2	64.3
Butter, cheese, milk.....	65 9	99 7	105 6	95 5	81 8	61.3	60.7	57.4	59 5	63 1	65 1
Cereal products.....	-----	-----	88.0	81.5	73 1	66 4	75.0	66.8	61 7	70 7	84 7
Fruits and vegetables.....	-----	-----	97.8	96.6	72 4	58.0	61.7	62.4	52 8	63 9	63 0
Meats.....	59 8	81.7	109 1	98 4	75 4	58.2	50.0	56.0	49 4	52 4	46 0
Other foods.....	85 9	101 4	93 9	80.9	69 8	60.7	61.1	55.4	66 1	61 1	63 4
Boots and shoes.....	54 5	99 3	106 3	102 0	93 7	86.1	90 2	87.5	83 8	85 5	98.6
Hides and skins.....	106 8	115 5	112 7	91 0	60 2	42 1	67.1	32.5	41 7	81 4	74 9
Leather.....	69 1	102 9	113 2	101 3	86 2	65 1	71.4	58.7	59 2	74 3	80 1
Other leather products.....	50 8	103.4	106 4	105 5	101 4	90.1	81.1	96.4	81 9	78 5	87.6
Clothing.....	-----	-----	90 0	86 2	75 9	63.0	72.2	62.2	62 5	64 5	87 9
Cotton goods.....	58 0	113.9	98 8	84 7	66 1	54.0	71.2	51.0	51.7	67 1	85 5
Knit goods.....	-----	-----	88 5	80 0	60 9	51.6	58.9	49.6	49 3	50 9	71 2
Silk and rayon.....	71.8	112.4	80 4	60 2	43 5	31.0	30.6	27.5	29 3	35 2	29 6
Woolen and worsted goods.....	53 7	108 2	88.3	79 0	68 2	57.7	69.3	55.0	54 2	68 8	84.3
Other textile products.....	62 7	89.5	93.1	84.2	75 1	67.9	72.5	66.7	66 6	73 6	75 9
Anthracite.....	58 9	99 7	90.1	89 1	91 1	88.4	82 2	85.3	88 7	76 8	81 5
Bituminous coal.....	38 1	103.2	91 3	89 4	84 6	82.0	82 8	81.8	80 2	78 3	90 6
Coke.....	46.3	104.6	84.6	84 0	82 4	77.7	77 9	76.9	75 3	75 3	83 6
Electricity.....	-----	-----	94.5	97 7	98 8	104.7	94.3	105.5	104 1	91 4	94 0
Gas.....	78 1	103 2	93 1	97 3	98 7	101.3	97.5	106.3	96 5	101 7	92 2
Petroleum products.....	73 3	87.0	71.3	61.5	39 5	45.4	41.0	48.2	45 0	34 4	51 6
Agricultural implements.....	72 9	101.6	98 7	95.0	92 1	84 9	83.5	84.9	84 5	83 0	85 1
Iron and steel.....	70 9	109 6	94 9	89 1	83 3	79 4	78.6	79.8	78 8	76 2	83 6
Motor vehicles.....	147 5	107 2	106.7	100.3	94 8	94 1	90 2	93.8	93 0	90 4	90 9
Nonferrous metals.....	88 9	96.6	106 1	82 4	61 9	49 8	59.6	47.5	48 3	63 2	66 6
Plumbing and heating.....	-----	-----	95.0	88 6	84 7	66.8	67.1	66 7	67 5	67 4	72 5
Brick and tile.....	38 9	102 4	94.3	89 8	83 6	77 3	79.2	76 1	75 1	77 0	85 7
Cement.....	59 6	105 4	91.8	91.8	79 4	77.2	86.1	77.1	81 1	81 8	91 2
Lumber.....	54.0	103 9	93.8	85 8	69.5	58.5	70.7	57.6	56 5	67 4	88 0
Paint and paint material.....	-----	-----	94 9	90 5	79 4	71 1	73.3	73.3	68 1	71 9	77 5
Plumbing and heating.....	50 8	103 4	95.0	88 6	84.7	66 8	67.1	66.7	67 5	67 4	72 5
Structural steel.....	77 1	113.4	98 1	87 3	83 1	80 9	83 1	81.7	81 7	81 7	86 8
Other bldg materials.....	63 1	103.3	97.7	93 3	84 8	79.5	82 7	77.6	80 1	80 6	88 6
Chemicals.....	89 4	102.3	99.1	93 7	83 0	79 5	79 6	78.6	79.7	81 5	79.2
Drugs and pharmaceuticals.....	56 6	96 4	71.5	68 0	62 8	57 7	56 3	58.3	54 7	55 5	59 0
Fertilizer materials.....	85 5	98 0	92 1	85 6	76 8	66 9	65 9	68.0	63 1	68 0	68 1
Mixed fertilizer.....	84 3	101.2	97.2	93 6	82 0	69 3	64 5	69.0	65 6	63 0	69 9
Furniture.....	70 7	109.7	95.0	94 0	88 0	75 0	75 1	74.0	72 7	73 4	79 3
Furnishings.....	47 9	103.5	93.6	91 4	82 2	75.4	76.6	75.4	74 7	73 6	82.9
Cattle feed.....	82 2	113.8	121.6	99 7	62 7	46.0	57.9	42 1	37 1	55 8	60 3
Paper and pulp.....	59 4	102 9	88 9	86 1	81 4	75 5	76.6	76 2	73 0	73 5	82 5
Rubber, crude.....	170 2	88 5	42 3	24 5	12 8	7 3	12 2	5 8	6 8	12 6	18 0
Auto tires and tubes.....	207 2	100.2	54.5	51 3	46 0	41.1	42.1	39 6	44.6	40 1	43 2
Other miscellaneous.....	64 4	100 8	98.4	95 5	88 0	83.7	76.2	84 6	81 3	75 0	79 0

Source of Tables 316 and 317: Bureau of Labor Statistics, Department of Labor

No. 318.—WHOLESALE PRICES OF LEADING COMMODITIES

NOTE.—This list is a selection from among the 784 commodities entering into the general index of whole sale prices of the Department of Labor, shown in Table 315

Community	Unit	Average price						
		1923-1925	1928	1929	1930	1931	1932	1933
I.—FARM PRODTCTS								
Barley, feeding, Chicago.....	Bushel..	Dollars 0 774	0 826	0 615	0 602	0 496	0 398	0 521
Corn, contract grades, Chicago.....	do.....	.944	.977	.941	.827	.531	.313	.408
Corn, No 3, mixed, Chicago.....	do.....	.927	.953	.929	.810	.519	.304	1.397
Oats, No 2, white, Chicago.....	do.....	.473	.555	.486	.397	.278	.209	.294
Rye, No. 2, Chicago.....	do.....	.932	1 133	1 016	.624	.431	.393	.579
Wheat, No 2, red winter, Chicago.....	do.....	1.407	1 540	1 304	.983	.665	.531	1.766
Wheat, No 2, hard, Kansas City.....	do.....	1 338	1.325	1 180	.900	.606	.494	1.724
Wheat, No 1, northern spring, Minneapolis.....	do.....	1.359	1 285	1 276	.984	.739	.605	1.770
Cattle, steers, good to choice, Chicago.....	100lbs....	10.093	14 489	13.493	11 027	8 759	7.799	5 784
Hogs, fair to choice, light, Chicago.....	do.....	9.534	9 862	10 666	9.938	6 642	4 117	14.185
Lambs, western, fair to good, Chicago.....	do.....	14.335	14 203	13.719	8.758	6.824	5.363	6 218
Poultry, live fowls, Chicago.....	Pound....	.218	.246	.273	.219	.187	.149	.113
Cotton, middling, New Orleans.....	do.....	.265	.194	.186	.131	.083	.063	1.085
Eggs, firsts, Chicago.....	Dozen....	.339	.324	.354	.270	.201	.177	.157
Eggs, firsts, New York.....	do.....	.370	.329	.363	.278	.225	.193	.172
Apples, medium grade, Portland, Ore.....	Box.....	2 705	2 728	2 676	1 926	1.079	1.212	
Oranges, choice, California.....	do.....	6 209	7 370	6 540	7 248	4 929	3 819	2 951
Hay, alfalfa, Kansas City.....	Ton.....	22.199	22 808	24 566	21 596	15 716	12 144	11 029
Hay, timothy, No. 1, Chicago.....	do.....	24.055	20 588	20 394	19 779	17 529	12 721	12 769
Milk, fluid, Chicago.....	100 lbs....	3.001	2 735	2 955	2 920	2 775	2 182	1.941
Milk, fluid, New York.....	do.....	3.419	3 827	3 997	3 843	3 448	2 379	2 432
Peanuts, Norfolk.....	Pound....	.063	.056	.049	.040	.038	.014	.020
Flaxseed, Minneapolis.....	Bushel..	2.653	2 245	2 766	2 353	1 484	1.181	1.580
Tobacco, leaf, warehouse sales.....	100 lbs....	20 204	20 125	17.424	12 203	8 464	1 11	647
Potatoes, white, Chicago.....	do.....	1.645	1 354	1 606	2 136	1.210	.801	1.333
Wool, Ohio, medium grades.....	Pound....	.548	.543	.467	.310	.226	.196	.315
II.—FOODS								
Butter, creamery, extra.....								
Chicago.....	Pound....	.437	.461	.437	.353	.271	.201	.208
New York.....	do.....	.450	.474	.449	.364	.283	.210	.217
San Francisco.....	do.....	.476	.460	.458	.364	.281	.219	.211
Cheese, whole milk, Chicago.....	do.....	.219	.240	.221	.182	.141	.120	.117
Milk, evaporated, New York.....	Case ¹	4.396	4 429	4 267	3.846	3 542	2 789	2 808
Beef, fresh, carcass, steers, Chicago.....	Pound....	.170	.228	.231	.207	.156	.131	.095
Lamb, fresh, Chicago.....	do.....	.258	.267	.256	.191	.157	.134	.121
Hams, Chicago.....	do.....	.228	.228	.244	.230	.181	.133	.121
Pork, mess, New York.....	Barrel (200 lbs.)	31.055	32 120	30 370	31.125	23 192	17.426	17.438
Pork, bellies, cured, clear, Chicago.....	Pound....	.161	.170	.183	.175	.123	.052	.056
Pork, fresh (composite price), Chicago.....	do.....	.161	.170	.183	.175	.123	.078	.080
Poultry, Chicago.....	do.....	.246	.226	.242	.242	.193	.143	.120
Bread, Chicago.....	do.....	.075	.075	.075	.075	.074	.070	.053
Bread, New York.....	do.....	.070	.070	.066	.066	.066	.060	.061
Coffee, Rio No. 7, New York.....	do.....	.162	.165	.157	.087	.062	.081	.078
Salmon, canned, Alaska, red, No. 1, tall.....	Doz cans.	2 645	2 900	2 709	3 009	2 848	1 859	1.602
Flour, short patents, winter, Kansas City.....	Barrel....	7.160	7.073	6 535	5 535	4.248	3 654	5 025
Flour, standard patents, Minneapolis.....	do.....	7 468	7 205	6 786	5 626	4 578	4.192	5.683
Flour, patents, Portland, Ore.....	do.....	7 992	7.545	7.176	6 003	4 550	4.619	5.982
Raisins, seedless, packers.....	Pound....	.045	.046	.044	.053	.048	.038	.036
Bananas, Honduras, New York.....	Bunch....						2 164	2.636
Lard, prime, contract, New York.....	Pound....	.141	.123	.120	.109	.080	.050	.057
Oleomargarine, standard, uncolored, Chicago.....	do.....	.225	.225	.235	.218	.133	.097	.087
Rice, Blue Rose, New Orleans.....	do.....	.054	.038	.038	.040	.031	.022	.028
Salt, American, medium, Chicago.....	Barrel ²	2 389	2 272	2 214	2 112	2 372	2 347	2 276
Sugar, granulated, New York.....	Pound....	.071	.056	.051	.047	.044	.040	.043
Sugar, raw, 96°, New York.....	do.....	.058	.042	.038	.034	.033	.029	.032
Cottonseed oil, New York.....	do.....	.110	.099	.097	.081	.060	.038	.045

¹ Processing tax not included² Case of 4 dozen 16-ounce cans³ Barrel of 280 pounds.

Price for 1931 to 1933 computed from price of 14½-ounce cans

No. 318.—WHOLESALE PRICES OF LEADING COMMODITIES—Continued

Commodity	Unit	Average price						
		1923-1925	1928	1929	1930	1931	1932	1933
III.—HIDES AND LEATHER PRODUCTS								
Hides, packers, heavy, native steers.	Pound..	Dollars 0 158	Dollars 0 238	Dollars 0 171	Dollars 0 139	Dollars 0 091	Dollars 0 061	Dollars 0 097
Calfskins, No 1, country, Chicago.	do....	.180	.274	.190	.163	.114	.063	.131
Goat skins, Cereas, Brazils.	do....	.811	.788	.750	.780	.617	.415	.514
Leather.								
Calf, chrome, B grade, tannery.	Sq. ft....	-----	-----	.395	.372	.345	.259	.302
Glazed kid, top grade, Boston.	do....	.681	.715	.725	.692	.600	.436	.459
Side, black, chrome, tanned, B grade, Boston	do....	.266	.369	.288	.238	.204	.162	.194
Sole, oak, scoured backs, Boston.	Pound..	.480	.641	.529	.452	.365	.291	.309
Shoes:								
Child's gun metal.	Pair....	-----	1 793	1 853	1 631	1 200	1 150	1 189
Men's, dress, medium grade ⁴ .	do....	3 162	3 575	3 750	3 350	3 200	3 250	3 289
Women's, black, 3 eye tie, McKay sewed.	do....	-----	2 925	2 600	2 375	2 175	1 998	2 181
IV.—TEXTILE PRODUCTS								
Cotton goods, mill								
Damask, table, mercerized, mill, 58-inch.	Yard....	-----	.370	.370	.370	.338	.293	.319
Denims, Mass., 28-inch.	do....	.233	.191	.181	.147	.114	.091	.123
Drillings, brown, 29-inch.	do....	.174	.126	.125	.105	.073	.055	.078
Gingham, 27-inch.	do....	.126	.106	.105	.093	.078	.062	.074
Muslin, bleached, series 1.	do....	.183	.166	.174	.157	.132	.103	.125
Print cloth, 27-inch.	do....	.070	.058	.052	.042	.033	.026	.038
Sheeting, bleached, series 1.	do....	.486	.410	.419	.362	.282	.210	.261
Sheeting, brown, series 2.	do....	.149	.122	.117	.103	.080	.062	.079
Yarn, carded, white, northern, 22/1's cones.	Pound..	.459	.371	.358	.274	.216	.178	.258
Knit goods, mill.								
Hosiery, women's, pure silk.	Doz prs.	12 337	9 792	9 313	7 896	5 760	4 394	4 954
Hosiery, men's, silk	do....	5 750	3 950	3 850	3 567	2 717	2 226	2 352
Women's union suits, cotton.	Dozen	-----	9 500	9 500	9 310	8 187	6 445	7 341
Silk and rayon								
Rayon, 150 B denier, New York.	Pound..	2 136	1 450	1 180	1 009	.727	.630	.586
Silk, raw, steam filature, N. Y.	do....	7 509	5 128	4 886	3 629	2 442	1 653	1 570
Woolen and worsted goods, mill								
Sutring serge, 11-ounce.	Yard....	2 478	2 052	1 961	1 818	1 586	1 328	1 664
French serge, 64-inch.	do....	.776	1 006	.975	1 106	.960	.815	.937
Yarn, fine weaving, 2/50's.	Pound..	2 469	2 088	1 967	1 668	1 442	1 186	1 466
Thread, 6-cord.	Spool....	.033	.036	.036	.036	.035	.035	.035
V.—FUEL AND LIGHTING								
Coal, anthracite, chestnut.	Ton....	13 861	13 001	12 886	12 715	12 768	12 184	11 265
Coal, bituminous, mine run.	do....	4 976	4 033	3 953	3 909	3 736	3 638	3 667
Coke, Connellsville, furnace.	do....	4 378	2 793	2 780	2 567	2 460	2 123	2 495
Electricity	100 kwh.	-----	1 414	1 383	1 430	1 446	1 532	1 380
Manufactured gas.	1,000 cu.ft.	1 062	.982	.985	.986	.984	1 014	.991
Petroleum, crude, Kans.-Okla.	Barrel	1 519	1 203	1 233	1 111	.573	.811	.567
Fuel oil, refinery, Pennsylvania.	Gallon.	.056	.048	.048	.039	.027	.032	.035
Gasoline, refinery, Pennsylvania.	do....	.130	.099	.091	.073	.050	.057	.051
VI.—METALS AND PRODUCTS								
Iron ore, non-Bessemer.	Ton....	4 924	4 250	4 443	4 500	4 500	4 500	4 500
Pig iron, basic, furnace.	do....	21 873	16 664	18 189	17 962	15 837	13 981	15 240
Pig iron, Bessemer, Pittsburgh.	do....	24 860	19 207	20 538	20 260	18 693	17 121	18 261
Nails, wire, Pittsburgh.	100 lbs.	2 948	2 676	2 667	2 191	1 978	2 050	2 089
Pipe, cast-iron, 6-inch, New York.	Ton....	57 549	37 659	36 666	39 315	34 454	30 398	37 764
Skeip, grooved, Pittsburgh.	100 lbs.	2 149	1 865	1 859	1 730	1 611	1 567	1 600
Steel billets, rerolling, Pittsburgh.	Ton....	38 465	32 673	34 642	31 808	29 346	26 519	26 000
Steel rails, open-hearth, mill.	Pound..	.021	.019	.019	.017	.016	.016	.016
Steel sheets, No. 27, mill.	Ton....	43 000	43 000	43 000	43 000	43 000	42 377	39 329
Steel, structural, mill.	Pound..	.035	.029	.030	.027	.025	.023	.023
Steel, structural, mill.	100 lbs.	2 220	1 865	1 921	1 708	1 627	1 584	1 626
Tin plate, Pittsburgh.	do....	5 470	5 262	5 350	5 188	4 942	4 712	4 477
Aluminum, New York.	Pound..	.205	.239	.239	.234	.229	.229	.229
Copper, ingot, electrolytic.	do....	.139	.146	.181	.129	.081	.056	.070
Lead, pig, desilverized, New York.	do....	.083	.063	.068	.055	.042	.032	.039
Silver, bar, fine, New York.	Ounce.	.672	.585	.533	.385	.290	.283	.350
Zinc, pig, New York.	Pound..	.502	.504	.452	.315	.244	.219	.394
Zinc, pig, slab, New York.	do....	.072	.064	.068	.049	.040	.033	.044

⁴ Grade changed, figures not strictly comparable with those for earlier years⁵ Prior to 1928, men's black dress welt, change in grade does not materially affect comparability of figures.⁶ For 1923-1925, 35-inch, for 1928 and 1929, 39-inch.

No. 318.—WHOLESALE PRICES OF LEADING COMMODITIES—Continued

Commodity	Unit	Average price						
		1923-1925	1928	1929	1930	1931	1932	1933
VI.—METALS, ETC.—continued								
Agricultural implements, factory		Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
Cultivator	Each	45 313	41 320	40 845	39 420	39 420	39 420	39 420
Harrow, spike, peg tooth	do	16.973	15 670	14 824	13 870	13 750	13 390	13 390
Plow, 2-horse	do	16.599	15 270	15 258	14 961	14 686	13 140	12 759
Separator, cream	do	59.053	61 040	60 338	58 230	58,230	55 401	55 100
Tractor, 10-20 horsepower	do	663 0	680 0	680 0	653.0	637 0	602.6	602 6
Automobiles, passenger, f o. b. factory. ⁷	do		745 0	773 0	724.0	689.0	687.0	666 0
Trucks, f o. b. factory	do		940 1	971 6	904.4	845 2	821.2	743 0
VII.—BUILDING MATERIALS								
Douglas fir, No. 1, common sheathing, mill.	1,000 ft.	17.972	16 758	18 293	14.702	11 649	9.415	14 118
Oak, plain, white, No. 1, Cincinnati	do	66.200	59 173	57 623	52 115	46 308	41 635	44 789
Pine, white, No. 2, Buffalo	do	59.957	44 269	48 453	43 827	44 606	43 250	44 654
Pine, yellow, flooring, mill	do				35.667	28 229	19 076	26 757
Pine, yellow, timbers, mill	do				24.271	18 876	14 576	19 183
Shingles, cedar, red, mill	1,000					1 505	1 469	1 984
Brick, common, building, plant	do	14.323	13 717	13 616	13 052	12 396	10 694	10 530
Cement, Portland	Barrel	1.838	1 672	1 601	1.600	1 393	1 356	1 512
Linseed oil, raw, New York	Pound	134	100	123	125	084	063	091
White lead, in oil, New York	do	141	133	138	139	133	120	110
Glass, plate, 5 to 10 sq. ft., N. Y.	Sq. ft.	638	385	385	375	365	365	387
Glass, window, single B, works	50 sq. ft.	3.389	3 080	3 420	3 420	2 068	2 146	2 300
Lime, building, plant.	Ton	9.586	8 574	7 987	7 941	7 672	6 933	7 043
VIII.—CHEMICALS AND DRUGS								
Acid, sulphuric, 66°, New York	Ton	14.267	15 500	15 500	15.500	15 500	15 500	15 500
Alcohol, denatured, New York	Gallon	.511	.530	.570	.498	.368	.371	.363
Ammonia, anhydrous, New York	Pound	.289	.135	.140	.154	.153	.155	.155
Soda ash, light, 58 per cent, works.	100 lbs.		1 366	1 345	1.345	1 161	1 182	1 197
Soda, caustic, New York	do	3 280	2 950	2 950	2 950	2 524	2 609	2 702
Tallow, packer's prime, Chicago	Pound	.088	.088	.085	.062	.039	.032	.034
Alcohol, grain, New York	Gallon	4.802	2 701	2 745	2.645	2 502	2 495	2 495
Phenol, U. S. P., New York	Pound	.291	.150	.138	.147	.143	.143	.143
Superphosphate, Baltimore	Ton	8.732	9 292	9 731	8 635	7 755	7 274	6 837
Nitrate of soda, 95 per cent, N. Y.	100 lbs.	2 526	2 232	2 157	2 076	1.981	1 586	1 306
Sulphate of ammonia, ex-vessel ports	Ton					29 558	20 821	22 637
Fertilizers, mixed, South Atlantic, 8-3-3, Series II	do		22 900	22 400	21.588	19 125	16 000	14 771
IX.—HOUSEFURNISHING GOODS ⁸								
Blankets, all wool, factory	Pound		1 333	1 333	1.267	1.028	945	1 130
Carpets, Brussels, factory	Yard	3 036	2 976	2 976	2.936	2 490	2 429	2 410
Sewing machines, electric	Each	73 620	82 250	84 600	84.667	80 458	66 111	62 954
Stoves, gas	do	64 053	60 657	66 900	67.155	61 694	53 265	45 621
Vacuum cleaners, electric, without attachments, delivered	do	20 090	15 190	14 725	14.259	13 181	11 760	11 287
Washing machines, electric, 2-speed, 6-sheet capacity, factory.	do		68.192	60 760	54.594	48.977	39.501	37 875
X.—MISCELLANEOUS								
Bran, Minneapolis	Ton	24.546	30 159	26 594	22.063	13 103	9.885	12 567
Cottonseed meal, prime, Memphis	do	41 020	47.042	38.542	31.833	19 646	13 120	17 289
Middlings, standard, Minneapolis	do	25 860	31 582	27 741	22.284	13 051	9.815	13 106
Paper, f o. b. cars, destination, New York basis.	do		67 50	62 00	62.00	57 00	50.39	41 25
Paper, wrapping, manila, No. 1, jute, New York.	100 lbs.	10 490	9 125	9 125	9.125	9 125	9 125	9 125
Wood pulp, sulphite, domestic, unbleached, mill	do	2 745	2 522	2 535	2.511	2 186	1 571	1 680
Rubber, plantation, ribbed, N. Y.	Pound	434	226	206	.119	.062	.035	.060
Automobile tires, balloon, factory	Each		13 925	11.845	10 958	9 656	8 840	8 649
Cylinder oil, Oklahoma	Gallon	.168	.171	.266	.274	.153	.174	.175
Neutral oil, Pennsylvania	do	.264	.314	.269	.210	.202	.164	.169
Soap, laundry, Philadelphia	100 cakes	4 867	4 851	4 851	4.851	4 851	4 528	4 449
Starch, laundry, New York	Pound	.056	.058	.058	.057	.053	.046	.042
Tobacco, plug, New York	do	.698	.696	.696	.696	.696	.669	.597
Tobacco, smoking, 1-oz. bag, N. Y.	Gross	8 898	8 320	8 320	8.320	7 017	5 120	5 120
Cigarettes, destination	M		5 422	5 398	5.645	5 851	6 042	4 902

⁷ Weighted average price of Buick, Cadillac, Chevrolet, Dodge, Ford, and Packard cars⁸ Owing to frequent changes in patterns announced by manufacturers, prices of individual articles of furniture are only roughly comparable from year to year and are not shown.⁹ Average for 1924 and 1925.

Source: Bureau of Labor Statistics, Department of Labor.

No. 319.—WHOLESALE PRICES: INDEX NUMBERS

NOTE.—Figures in boxes indicate number of quotations. Bradstreet's index is the sum of the prices per pound of the 96 commodities. Dun's is weighted by the amount "annually consumed by each inhabitant." For method of computing the Department of Labor index see general note, p. 283

[1926=100]

Year	Bradstreet's index	Dun's index	Department of Labor			
			All commodities	Raw materials	Semi-manufactured articles	Finished products
	96	300	784 ¹	109 ¹	93 ¹	582 ¹
1913.....	70.9	64.3	69.8	68.8	74.9	69.4
1914.....	68.9	64.8	68.1	67.6	70.0	67.8
1915.....	77.4	67.6	69.5	67.2	81.2	68.9
1916.....	93.3	80.3	85.5	82.6	118.3	82.3
1917.....	123.8	110.5	117.5	122.6	150.4	109.2
1918.....	145.2	121.9	131.3	135.8	153.8	124.7
1919.....	145.6	123.2	138.6	145.9	157.9	130.6
1920.....	140.6	129.3	154.4	151.8	198.2	149.8
1921.....	87.2	89.1	97.6	88.3	96.1	103.3
1922.....	95.3	92.3	96.7	96.0	98.9	96.5
1923.....	103.5	100.8	100.6	98.5	118.6	99.2
1924.....	100.0	100.9	98.1	97.6	108.7	96.3
1925.....	108.0	104.6	103.5	106.7	105.3	100.6
1926.....	100.0	100.0	100.0	100.0	100.0	100.0
1927.....	99.4	99.4	95.4	96.5	94.3	95.0
1928.....	102.4	103.1	96.7	99.1	94.5	95.9
1929.....	97.3	101.0	95.3	97.5	93.9	94.5
1930.....	81.8	91.3	86.4	84.3	81.8	88.0
1931.....	66.6	77.3	73.0	65.6	69.0	77.0
1932.....	54.3	70.7	64.8	55.1	59.3	70.3
1933.....	62.1	78.1	65.9	56.5	65.4	70.5

¹ Beginning 1926. In earlier years a smaller number of commodities was included.

No. 320.—COST OF LIVING IN THE UNITED STATES: INDEX NUMBERS

NOTE.—1913 average=100. Figures for food represent 51 cities since 1920 and a smaller number in earlier years, other figures, 19 cities from 1913 to December, 1917, inclusive, and 32 cities thereafter. Totals weighted by relative importance of items as ascertained by country-wide study of cost of living

Date	All items	Food	Clothing	Housing	Fuel and light	Furniture and furnishings	Miscellaneous
December, 1914.....	103.0	105.0	101.0	100.0	101.0	104.0	103.0
December, 1915.....	105.1	105.0	104.7	101.5	101.0	110.6	107.4
December, 1916.....	118.3	126.0	120.0	102.3	108.4	127.8	113.3
December, 1917.....	142.4	157.0	149.1	100.1	124.1	150.6	140.5
December, 1918.....	174.4	187.0	205.3	109.2	147.9	213.6	165.8
June, 1919.....	177.3	184.0	214.5	114.2	145.6	225.1	173.2
December, 1919.....	199.3	197.0	268.7	125.3	156.8	263.5	190.2
June, 1920.....	216.5	219.0	287.5	134.9	171.9	292.7	201.4
December, 1920.....	200.4	178.0	258.5	151.1	194.9	285.4	208.2
May, 1921.....	180.4	144.7	222.6	159.0	181.6	247.7	208.8
December, 1921.....	174.3	149.9	184.4	161.4	181.1	218.0	206.8
June, 1922.....	166.6	140.7	172.3	160.9	174.2	202.9	201.5
December, 1922.....	169.5	146.6	171.5	161.9	186.4	208.2	200.5
March, 1923.....	168.8	141.9	174.4	162.4	186.2	217.6	200.3
June, 1923.....	169.7	144.3	174.9	163.4	180.6	222.2	200.3
September, 1923.....	172.1	149.3	176.5	164.4	181.3	222.4	201.1
December, 1923.....	173.2	150.3	176.3	166.5	184.0	222.4	201.7
March, 1924.....	170.4	143.7	175.8	167.0	182.2	221.3	201.1
June, 1924.....	169.1	142.4	174.2	168.0	177.3	216.0	201.1
September, 1924.....	170.6	146.8	172.3	168.0	179.1	214.9	201.1
December, 1924.....	172.5	151.5	171.3	168.2	180.5	216.0	201.7
June, 1925.....	173.5	155.0	170.6	167.4	176.5	214.3	202.7
December, 1925.....	177.9	165.5	169.4	167.1	186.9	214.3	203.5
June, 1926.....	174.8	159.7	168.2	165.4	180.7	210.4	203.3
December, 1926.....	175.6	161.8	166.7	164.2	188.3	207.7	203.9
June, 1927.....	173.4	158.5	164.9	162.1	180.8	205.2	204.5
December, 1927.....	172.0	155.9	162.9	160.2	183.2	204.6	205.1
June, 1928.....	170.0	152.6	162.6	157.6	177.2	201.1	205.5
December, 1928.....	171.3	155.8	161.9	155.9	181.3	199.7	207.1

No. 320.—COST OF LIVING IN THE UNITED STATES: INDEX NUMBERS—Con.

Date	All items	Food	Clothing	Housing	Fuel and light	Furniture and furnishings	Miscellaneous
June, 1929.....	170 2	154 8	161 3	153 7	175 2	198 5	207 3
December, 1929.....	171.4	158.0	160.5	151 9	178 7	197.7	207.9
June, 1930.....	166.6	147 9	158.9	149 6	172 8	195.7	208.5
December, 1930.....	160.7	137 2	153 0	146 5	175 0	188.3	208 1
June, 1931.....	150.3	118 3	146 0	142 0	165 4	177.0	206.6
December, 1931.....	145.8	114.3	135.5	136 2	168 0	167 1	205.4
June, 1932.....	135.7	100 1	127.8	127 8	157 1	153.4	202.1
December, 1932.....	132 1	98 7	121 5	118 0	156 9	147.4	199 3
June, 1933.....	128 3	96 7	119 8	108 8	148 4	147 7	194.5
December, 1933.....	135.0	105 5	133 6	104 1	159 3	164.8	195 9

Source Bureau of Labor Statistics, Department of Labor

No. 321.—COST OF LIVING IN PRINCIPAL CITIES: INDEX NUMBERS

City	Index of total cost of living for December—						Index December, 1933, for—						
	1920	1925	1929	1930	1931	1932	1933	Food	Clothing	Housing	Fuel and light	House furnishings goods	Miscellaneous
Dec., 1914=100													
Baltimore, Md.....	196.8	181 2	175.1	165.8	151.8	138 1	141.9	107 8	139 0	124.5	175 7	164.5	215 1
Boston, Mass.....	197.4	174 7	168 4	159 2	144 1	130 4	134.1	101 6	166 5	117.2	171.7	183 6	185 1
Buffalo, N. Y.....	201.7	184 8	180 0	169 4	151 8	139 8	142 0	106 5	139 9	114.7	219 6	167 8	200 6
Chicago, Ill.....	193.3	180 6	173 7	162 2	146 2	128 2	128 7	108 5	117 0	102.1	141 0	150 0	189 7
Cleveland, Ohio.....	207.3	182 7	174.3	166 2	150 0	136 9	139 5	99 3	133 7	101.1	256 1	152 6	212 4
Detroit, Mich.....	218 6	187 8	177 8	161 6	141 9	125 7	128 7	101 3	137 1	83 8	148 2	146 3	203 6
Houston, Tex.....	204 0	174 3	168 0	154 7	141 1	123 0	129 3	101 0	143 4	81 9	106 5	192 2	182 1
Jacksonville, Fla.....	206.2	181 7	165 8	156 9	140 5	127 6	132 8	95 7	150 8	72 5	153 6	181 9	184 7
Los Angeles, Calif.....	196.7	177 4	168 7	158 1	145 1	132 1	131 9	96 0	140 8	89 5	138 8	167 8	188 4
Mobile, Ala.....	193.3	168 5	164 8	154 4	138 0	125 9	129 8	96 0	131 3	91.4	139.4	164 9	196.6
New York, N. Y.....	201.4	183 2	177 1	167 5	152 0	140 2	142 1	108 9	151 0	129.0	180 3	156 3	207.7
Norfolk, Va.....	209.0	176 4	173 5	164.8	148 8	136 5	140 6	101 7	145 4	107 5	170 3	156 9	208 2
Philadelphia, Pa.....	200.7	182 6	175.0	164.5	150 5	133 9	138 2	106 0	136 8	112 8	175 7	146 7	206 1
Portland, Me.....	193.1	170 3	165 8	157 2	145 1	132 3	136 7	107 7	139 8	103 8	174 3	187 6	195 6
Portland, Oreg.....	180.3	156 9	151.6	141 5	131 9	120 1	119 8	93 2	121 8	72 8	135 4	150 8	167 2
San Francisco and Oakland, Calif.....	185.1	164 7	160 8	151 5	138 1	128 9	131 6	104 8	159 2	100.5	125 2	164.3	172 5
Savannah, Ga.....	198.7	162 9	157 2	148 3	133 0	122 0	126 3	90 0	144 0	87 3	143 3	180.8	170 8
Seattle, Wash.....	194.1	171 7	168 7	158 4	148 0	133 7	135 1	98 0	142 1	103.1	147 2	198.5	185 4
Washington, D. C.....	187.8	167 3	159 2	151 8	139 0	125 8	131.6	108 4	135 7	114.3	128 3	172.8	172 1
Dec., 1917=100													
Atlanta, Ga.....	138.5	119.0	113 5	104 5	93 8	84 6	87 1	64 1	84 1	88 8	104.6	97.0	123 6
Birmingham, Ala.....	133.3	119 2	111 8	103 8	90 4	81 3	83 0	62 7	82 3	69 2	115 9	84.1	117 0
Cincinnati, Ohio.....	134.7	123 0	123 1	116 6	105 8	95 5	96 3	66 5	76 5	111 3	165 7	96.1	145 6
Denver, Colo.....	138.7	122.5	116 1	109 7	100 3	91 7	92 2	65 0	86 0	105 7	105 0	98.6	131.2
Indianapolis, Ind.....	137.6	124 3	118 8	110 8	99 2	90 5	92 2	65 0	82 4	82 7	126.3	93.4	141.0
Kansas City, Mo.....	139 5	118 1	111 7	107.7	98 9	89.5	89 5	64 0	84 8	89 6	109 1	88.1	132 9
Memphis, Tenn.....	139.3	122 1	116 5	110 4	99 5	89 6	92 4	61 9	89 0	87 8	143 3	95.7	131 0
Minneapolis, Minn.....	135.7	120 3	116 2	110 6	102 1	92 5	92 4	69 5	79 9	93.8	131 5	96.1	126 3
New Orleans, La.....	136 7	122 7	118 8	110.2	100 3	92 8	94 2	65 2	88 5	116.3	104 9	101.2	139 1
Pittsburgh, Pa.....	139.3	128 5	123 2	115 2	104 5	94 2	94 3	66 4	83 8	107.1	182 6	92.1	139 7
Richmond, Va.....	133.3	120 8	114 9	109 3	100 3	90 4	93 6	65 6	92 2	98 7	127 6	112.9	133 0
St. Louis, Mo.....	135.4	125 0	121 7	113 9	101 4	92 6	97 3	66 3	82.2	104.8	113 5	97.8	136 4
Scranton, Pa.....	139.1	132 0	127 3	119 5	108 4	99 5	102 1	72.4	95.7	126.5	147 4	108.0	149.9

Source: Bureau of Labor Statistics, Department of Labor.

No. 322.—RETAIL FOOD PRICES IN THE UNITED STATES: INDEX NUMBERS

NOTE.—1913 average=100 The principal commodities used in this index number are listed in Table 324
For index numbers for individual cities see Table 323

Index numbers of—			Index numbers of—			Index numbers of—		
Year	Retail price of food	Purchasing power of the dollar measured in food	Year	Retail price of food	Purchasing power of the dollar measured in food	Year	Retail price of food	Purchasing power of the dollar measured in food
1890.....	70	143	1905.....	76	132	1920.....	203	49
1891.....	71	141	1906.....	79	127	1921.....	153	65
1892.....	69	145	1907.....	82	122	1922.....	142	70
1893.....	71	141	1908.....	84	119	1923.....	146	68
1894.....	68	147	1909.....	89	112	1924.....	146	68
1895.....	67	149	1910.....	93	108	1925.....	157	64
1896.....	65	154	1911.....	92	109	1926.....	161	62
1897.....	65	154	1912.....	98	102	1927.....	155	64
1898.....	67	149	1913.....	100	100	1928.....	154	65
1899.....	68	147	1914.....	102	98	1929.....	157	64
1900.....	69	145	1915.....	101	99	1930.....	147	68
1901.....	72	139	1916.....	114	88	1931.....	121	82
1902.....	75	133	1917.....	146	68	1932.....	102	98
1903.....	75	133	1918.....	168	60	1933.....	100	100
1904.....	76	132	1919.....	186	54			

No. 323.—RETAIL FOOD PRICES IN PRINCIPAL CITIES: INDEX NUMBERS

NOTE.—1913 average=100. For average for all cities see Table 322. See headnote, Table 324

City	1916	1920	1925	1928	1929	1930	1931	1932	1933	1933			
										Mar.	June	Sept.	Dec.
Atlanta, Ga.....	108	202	158	158	160	147	121	100	97	86	96	105	102
Baltimore, Md.....	113	207	164	159	161	151	127	106	104	94	100	110	110
Birmingham, Ala.....	116	209	165	159	160	150	120	101	98	90	98	103	102
Boston, Mass.....	112	203	158	156	158	151	124	103	101	92	98	109	104
Buffalo, N. Y.....	115	210	162	159	161	151	124	105	104	93	100	113	108
Charleston, S. C.....	108	207	159	156	158	151	126	106	100	89	94	108	109
Chicago, Ill.....	114	207	166	165	168	159	134	111	104	94	102	111	108
Cincinnati, Ohio.....	112	203	157	157	163	156	129	101	100	90	97	106	101
Cleveland, Ohio.....	114	208	156	153	154	144	116	97	96	85	92	106	101
Dallas, Tex.....	111	197	156	155	157	146	117	97	96	85	94	104	103
Denver, Colo.....	112	195	143	139	141	132	110	96	95	87	93	101	97
Detroit, Mich.....	114	215	165	160	164	150	122	96	98	87	94	109	103
Fall River, Mass.....	112	204	153	154	155	145	118	101	98	89	94	106	103
Indianapolis, Ind.....	114	202	151	151	155	146	116	97	94	84	93	104	98
Jacksonville, Fla.....	108	192	153	145	144	138	114	94	91	80	88	100	98
Kansas City, Mo.....	114	206	155	150	154	144	121	100	99	91	98	106	100
Little Rock, Ark.....	110	195	149	147	152	143	113	91	89	80	83	97	98
Los Angeles, Calif.....	102	184	149	143	146	134	110	93	93	87	88	102	95
Louisville, Ky.....	110	197	154	153	156	143	114	95	96	85	94	106	99
Manchester, N. H.....	113	206	152	154	154	145	121	102	101	91	97	109	105
Memphis, Tenn.....	111	204	150	148	151	142	112	95	92	82	89	99	98
Milwaukee, Wis.....	115	209	157	156	159	150	124	105	102	93	100	110	104
Minneapolis, Minn.....	114	208	154	153	157	148	123	101	98	86	94	104	105
Newark, N. J.....	111	195	151	150	151	143	123	106	100	90	97	106	105
New Haven, Conn.....	115	201	155	157	158	149	128	110	104	92	100	112	110
New Orleans, La.....	112	200	156	153	156	146	118	104	99	91	94	107	104
New York, N. Y.....	112	204	160	158	160	150	128	110	106	96	103	112	111
Omaha, Nebr.....	115	210	155	147	150	141	114	95	93	82	92	99	99
Philadelphia, Pa.....	113	201	159	158	159	149	128	106	102	92	99	110	108
Pittsburgh, Pa.....	112	202	158	156	160	147	122	100	97	87	94	104	102
Portland, Oreg.....	104	187	142	140	144	133	109	96	91	85	90	97	93
Providence, R. I.....	114	209	158	156	158	149	123	104	102	93	99	109	106
Richmond, Va.....	114	214	166	161	162	153	125	105	102	92	98	111	109
St. Louis, Mo.....	114	213	160	156	161	151	124	103	101	91	100	110	105
Salt Lake City, Utah.....	111	185	140	132	136	127	106	88	87	79	88	90	89
San Francisco, Calif.....	105	189	155	151	154	147	122	107	105	98	103	110	106
Scranton, Pa.....	112	208	161	163	164	154	128	108	106	97	102	113	112
Seattle, Wash.....	105	190	150	145	149	140	117	102	99	90	100	105	100
Washington, D. C.....	112	208	165	164	164	154	131	108	106	97	103	113	110

Source of Tables 322 and 323: Bureau of Labor Statistics, Department of Labor.

No. 324.—RETAIL PRICES OF PRINCIPAL ARTICLES OF FOOD IN THE UNITED STATES: ACTUAL AND RELATIVE

NOTE.—For index numbers 1913 average = 100. Data are averages of prices as reported by retail dealers in 51 of the larger cities since the year 1920 and in a smaller number of cities for earlier years (39 in 1913). Prior to August, 1933, prices were collected as of the 15th of each month, thereafter every 2 weeks. For September and December, 1933, data are as of the date nearest the 15th of the month.

Year or month	Price	Index	Price	Index	Price	Index	Price	Index	Price	Index	Price	Index
	Sirloin steak		Round steak		Rib roast		Pork chops		Bacon		Lard	
	Per lb.		Per lb.		Per lb.		Per lb.		Per lb.		Per lb.	
1891-1895	-----	-----	\$0 123	55	-----	-----	\$0 112	53	\$0 132	49	\$0 100	63
1896-1900	-----	-----	.127	57	-----	-----	.111	53	.132	49	.091	58
1901-1905	-----	-----	.141	63	-----	-----	.137	65	.176	65	.116	73
1906-1910	\$0 192	76	.159	71	\$0 159	80	.167	80	.217	80	.136	86
1911-1915	.241	95	.213	96	.191	96	.201	96	.261	97	.150	95
1916-1920	.366	144	.338	152	.285	144	.356	170	.461	171	.290	184
1921-1925	.391	154	.337	151	.287	145	.331	158	.412	153	.190	120
1926-1930	.456	180	.401	180	.335	169	.368	175	.455	168	.190	121
1926	.413	163	.356	160	.303	153	.395	188	.503	186	.219	139
1927	.426	168	.371	166	.313	158	.368	175	.472	175	.193	122
1928	.478	188	.420	188	.350	177	.348	166	.440	163	.186	118
1929	.500	197	.444	199	.367	185	.369	176	.435	161	.183	116
1930	.464	183	.412	185	.342	173	.359	171	.423	157	.170	108
1931	.394	155	.344	154	.291	146	.291	139	.364	135	.133	84
1932	.333	131	.289	130	.241	122	.212	101	.241	89	.088	56
1933	.290	114	.252	113	.209	106	.196	93	.223	83	.090	57
March	.282	111	.243	109	.208	105	.190	91	.210	78	.079	50
June	.297	117	.258	116	.213	108	.185	88	.225	83	.097	61
September	.301	119	.262	118	.209	106	.217	103	.231	86	.096	61
December	.278	109	.242	109	.199	101	.198	94	.231	86	.094	60
	Hens		Eggs		Butter		Cheese		Milk		Bread	
	Per lb		Per doz		Per lb		Per lb		Per qt.		Per lb	
1891-1895	\$0 136	64	\$0 214	62	\$0 268	70	-----	-----	\$0 068	76	-----	-----
1896-1900	.131	62	.199	58	.247	64	-----	-----	.067	75	-----	-----
1901-1905	.154	72	.254	74	.251	73	-----	-----	.071	80	-----	-----
1906-1910	.132	65	.204	68	.233	67	-----	-----	.079	89	-----	-----
1911-1915	.206	97	.341	99	.363	95	\$0 227	103	.088	99	\$0 063	113
1916-1920	.351	165	.547	158	.567	148	.358	162	.133	149	.096	171
1921-1925	.365	171	.483	140	.523	137	.352	159	.139	156	.091	163
1926-1930	.377	177	.460	133	.533	139	.372	168	.141	159	.091	162
1926	.388	182	.485	141	.531	139	.366	166	.140	157	.094	168
1927	.369	173	.452	131	.556	145	.376	170	.141	158	.093	166
1928	.374	176	.464	134	.565	148	.385	174	.142	160	.091	162
1929	.397	186	.490	142	.551	144	.380	172	.143	161	.090	161
1930	.355	167	.410	119	.461	120	.351	159	.140	157	.087	155
1931	.310	146	.317	92	.354	92	.281	127	.123	138	.076	136
1932	.246	116	.272	79	.274	72	.230	104	.109	123	.068	121
1933	.209	98	.261	76	.273	71	.225	102	.106	119	.071	127
March	.212	100	.198	57	.248	65	.209	95	.101	114	.064	114
June	.214	101	.200	58	.251	73	.231	105	.102	115	.066	118
September	.204	96	.283	82	.279	73	.235	106	.110	124	.077	138
December	.199	93	.321	93	.241	63	.223	101	.112	126	.079	141
	Flour		Corn meal		Rice		Potatoes		Sugar		Coffee	
	Per 1/2 bbl. bag		Per lb		Per lb		Per pk		Per lb		Per lb	
1891-1895	\$0 637	79	\$0 020	67	-----	-----	\$0 235	92	\$0 057	104	-----	-----
1896-1900	.639	79	.018	60	-----	-----	.211	83	.058	105	-----	-----
1901-1905	.687	85	.022	73	-----	-----	.263	103	.058	105	-----	-----
1906-1910	.807	100	.027	90	-----	-----	.271	106	.059	107	-----	-----
1911-1915	.872	108	.031	103	\$0 089	102	.282	111	.061	111	\$0 298	100
1916-1920	1 637	202	.058	193	.130	149	.609	239	.115	209	.362	121
1921-1925	1 303	161	.045	151	.109	114	.458	178	.084	152	.410	138
1926-1930	1 309	162	.052	175	.103	118	.546	214	.068	124	.476	160
1926	1 470	182	.051	170	.116	133	.735	288	.069	126	.510	171
1927	1 348	167	.052	173	.107	123	.570	224	.073	133	.483	162
1928	1 323	164	.053	177	.100	115	.405	159	.071	129	.492	165
1929	1 250	154	.053	177	.097	112	.480	188	.066	120	.491	165
1930	1 152	142	.053	177	.095	109	.540	212	.062	113	.406	136
1931	.882	109	.046	153	.082	94	.345	135	.057	104	.338	113
1932	.784	97	.038	127	.067	77	.255	100	.051	93	.302	101
1933	.956	118	.037	123	.062	71	.345	135	.054	98	.271	91
March	.735	91	.034	113	.057	66	.240	94	.050	91	.274	92
June	.833	103	.036	120	.060	69	.345	135	.054	98	.270	91
September	1 201	149	.040	133	.066	76	.465	182	.057	104	.267	90
December	1 152	142	.040	133	.070	81	.345	135	.055	100	.264	89

1907-1910.

1913-1915.

Source Bureau of Labor Statistics, Department of Labor.

AVERAGE DOMESTIC EXPORT PRICES

NO. 325—ANNUAL AVERAGE UNIT VALUES OF IMPORTANT DOMESTIC ARTICLES EXPORTED FROM THE UNITED STATES

NOTE.—The values of the goods are required by law to represent their market value at the port of exportation. The headnote to Table 326 also applies to this table.

Year ended—

Year ended—		June 30—		Dec 31—	
Bacon, hams, and shoulders, per pound	Cts	10.1	8.2	21.0	18.0
Pork, pickled, per pound	Cts	21.0	21.0	21.0	21.0
Eggs, per dozen	Cts	21.0	21.0	21.0	21.0
Milk, condensed and evaporated, per pound	Cts	21.0	21.0	21.0	21.0
Butter, per pound	Cts	21.0	21.0	21.0	21.0
Cheese, per pound	Cts	21.0	21.0	21.0	21.0
Lard, per pound	Cts	21.0	21.0	21.0	21.0
Sole leather, per pound	Cts	21.0	21.0	21.0	21.0
Corn, per bushel	Dols	21.0	21.0	21.0	21.0
Rye, per bushel	Dols	21.0	21.0	21.0	21.0
Wheat, per bushel	Dols	21.0	21.0	21.0	21.0
Wheat flour, per barrel	Dols	21.0	21.0	21.0	21.0
Oil cake, and oil cake meal, per pound	Cts	21.0	21.0	21.0	21.0
Cottonseed oil, per pound	Cts	21.0	21.0	21.0	21.0
Sugar, per pound	Cts	21.0	21.0	21.0	21.0
Roasin, per barrel	Dols	21.0	21.0	21.0	21.0
Spirits of turpentine, per gallon	Dols	21.0	21.0	21.0	21.0
Tobacco, leaf, per pound	Cts	21.0	21.0	21.0	21.0
Cotton, per pound	Cts	21.0	21.0	21.0	21.0
Boards, plancks, and scantlings, per M feet	Cts	21.0	21.0	21.0	21.0
Coal					
Anthracite, per ton	Dols	21.0	21.0	21.0	21.0
Bituminous, per ton	Dols	21.0	21.0	21.0	21.0
Petroleum, crude, per gallon	Cts	21.0	21.0	21.0	21.0
Gasoline, naphtha, etc, per gallon	Cts	21.0	21.0	21.0	21.0
Kerosene, per gallon	Cts	21.0	21.0	21.0	21.0
Wire, per pound	Cts	21.0	21.0	21.0	21.0
Wire nails, per pound	Cts	21.0	21.0	21.0	21.0

1 Per gallon prior to 1910. Approximately 7½ pounds=1 gallon

Source: Bureau of Foreign and Domestic Commerce

Barrels of 280 pounds.

3 Revised to exclude linters beginning 1915

No. 326.—ANNUAL AVERAGE UNIT VALUES OF IMPORTANT ARTICLES IMPORTED INTO THE UNITED STATES

NOTE.—The values are required by law to represent the values of the goods in the foreign markets whence exported to the United States. "Ton" signifies long ton of 2,240 pounds. The averages are obtained by dividing the total value of imports of the specified article by the total quantity, and as in some commodities there may be considerable variations in price between different grades, methods of packing, etc., and as the proportions of the grades, etc., may vary from year to year, the averages in such cases may show the actual price movements only roughly

Year ended—	Fish, cured, per barrel (200 pounds)		Hides and skins, per pound		Rice, per pound	Wheat, per bushel	Copra, per pound	Flax- seed, per bushel	Cocoa, per pound	Coffee, per pound	Tea, per pound	Cane sugar, per pound	Rub- ber, grade, per pound	Shet- lac, per pound	Tobacco, leaf, Cigar wrap- pers		Cotton, unman- ufactured, per pound	Jute and butts, per ton	Flax, per ton
	Dollars	Cents	Goat	Cattle											Dollars	Cents			
June 30—																			
1906.....	7.47	12.19	28.6	14.0	2.5	0.92	4.3	1.41	10.9	8.6	15.6	2.14	78.0	82.4	0.96	52.16	15.3	62.05	266.62
1907.....	7.58	12.78	31.3	15.3	3.0	.63	4.3	1.35	14.5	7.9	16.1	2.11	76.6	82.7	1.04	54.55	19.0	85.06	260.41
1908.....	7.72	13.74	27.2	12.2	2.9	.97	3.4	1.25	17.2	7.6	17.3	2.37	88.8	81.0	1.16	53.41	19.9	60.49	253.93
1909.....	6.80	10.47	25.0	12.4	2.7	.89	2.8	1.40	11.4	7.5	16.2	2.30	89.8	20.3	.95	55.58	15.7	46.06	257.57
1910.....	7.3	6.96	23.6	14.7	2.6	.92	3.6	1.71	10.5	7.9	16.0	2.69	100.0	13.2	.98	52.90	18.4	54.71	277.10
1911.....	7.24	9.50	25.0	14.4	2.8	.94	4.1	2.04	10.5	10.3	17.2	2.45	105.8	14.9	1.03	53.62	21.8	72.33	342.47
1912.....	7.79	12.19	24.4	15.3	3.4	.82	4.4	1.90	10.9	13.3	18.0	2.81	84.4	12.2	1.25	51.17	18.4	71.12	346.65
1913.....	8.24	10.07	25.7	17.3	3.7	.70	4.5	1.54	12.4	13.8	18.4	2.18	79.5	13.9	1.29	45.30	18.9	74.01	318.01
1914.....	7.21	10.98	26.2	18.6	3.2	.89	5.3	1.22	11.8	11.1	18.4	2.00	54.0	16.1	1.28	50.41	15.8	105.38	290.37
1915.....	6.57	12.27	24.3	18.3	2.4	1.10	3.8	1.25	11.9	9.5	18.1	3.21	45.3	12.5	1.28	48.39	12.5	56.26	309.60
1916.....	7.86	13.65	27.2	20.3	2.4	1.02	4.1	1.33	14.4	9.6	18.7	3.70	57.8	12.8	1.43	49.37	17.2	73.07	565.59
1917.....	8.4	16.14	52.5	26.9	2.8	1.74	5.1	2.03	11.8	10.1	18.6	4.33	56.9	23.4	1.34	45.67	27.5	87.45	535.01
1918.....	10.44	20.74	47.4	25.3	3.5	2.02	5.5	2.56	10.3	9.0	20.4	4.82	52.1	41.5	1.14	50.48	34.9	92.11	1,037.72
Dec 31—																			
1919.....	13.65	24.99	71.5	30.8	6.9	1.88	6.4	3.16	14.8	19.5	24.9	5.60	40.3	48.6	1.40	82.61	41.0	134.51	904.21
1920.....	35.9	12.49	18.81	110.5	10.3	3.10	6.6	3.03	15.8	19.5	27.0	12.56	42.9	80.8	1.80	88.23	46.2	100.93	564.77
1921.....	32.3	11.08	15.32	37.8	3.4	1.54	3.9	1.68	7.6	10.6	18.6	3.94	17.8	48.9	2.00	91.71	23.7	93.08	566.91
1922.....	31.4	10.18	17.34	40.5	3.4	1.15	3.7	2.09	9.3	12.9	24.5	2.60	15.1	59.3	2.04	74.39	26.4	107.38	575.03
1923.....	9.95	15.91	43.9	16.0	3.5	.99	4.0	2.01	8.2	13.5	23.2	4.93	29.7	59.7	2.35	80.18	26.4	128.33	511.09
1924.....	12.09	17.37	39.3	13.1	3.9	1.00	4.4	1.81	7.8	17.5	29.3	4.39	23.7	53.5	2.56	97.87	30.3	114.02	515.19
1925.....	13.30	15.60	40.7	16.0	4.3	1.39	5.0	2.40	10.0	22.3	31.2	2.76	48.4	51.0	2.34	50.27	33.7	190.69	680.59
1926.....	12.09	12.05	44.6	14.7	4.5	1.39	5.1	1.84	10.0	21.6	32.7	2.47	54.6	33.6	2.25	75.88	25.5	215.06	478.07
1927.....	13.69	13.10	43.6	17.4	4.6	1.41	4.6	1.74	13.4	18.4	31.6	3.06	35.0	42.4	2.15	64.90	22.2	131.52	479.08
1928.....	13.15	13.06	46.0	23.1	4.0	1.17	4.5	1.78	12.4	21.3	30.3	2.68	25.0	42.4	2.06	62.02	24.9	129.45	698.47
1929.....	12.54	15.45	47.4	16.0	4.1	1.11	4.2	1.92	9.8	20.4	28.9	2.14	19.1	33.4	1.84	65.37	23.9	128.35	579.24
1930.....	14.13	12.40	40.7	13.0	3.6	.95	3.7	2.11	8.4	13.1	26.6	1.85	12.9	27.3	1.60	52.99	19.7	107.76	429.26
1931.....	12.39	9.30	31.6	8.4	2.9	.64	2.4	.98	5.6	10.0	21.6	1.77	6.6	16.3	1.47	45.92	9.9	66.71	222.46
1932.....	9.32	6.66	20.0	5.6	2.6	.53	1.8	.65	4.1	9.1	13.1	1.63	3.5	13.3	1.33	39.22	9.9	64.19	216.50
1933.....	8.94	8.11	21.0	7.8	2.8	.56	1.4	.98	4.0	7.8	14.2	1.87	4.9	9.9	1.82	31.11	10.6	56.27	177.17

Year ended—	Hemp, per ton	Manila, per ton	Jute bur- laps, per pound	Wool, per pound			Silk, raw, per pound	Pulp, wood, per cord	Boards, planks, deals, per M feet ¹	Wood pulp, per ton	News- print paper, per pound	Bitumi- nous coal, per ton	Petro- leum, crude, per gallon	Bar iron, per pound	Tin plates, terne- plates, per pound	Copper, pigs, ingots, bars, per pound ²	Tin, bars, blocks, pigs, per pound	Sodi- um nitrate, per ton
				Carpet	Cloth- ing	Comb- ing												
Dollars	Dollars	Cents	Cents	Cents	Dollars	Dollars	Dollars	Dollars	Dollars	Cents	Cents	Dollars	Cents	Cents	Cents	Cents	Cents	Dollars
June 30—																		
1906	170 55	187 90	6 5	14	24	28	3 64	4 28	15 60	29 16	2 40	2 48	1 9	2 8	15 1	33 32	35 08	
1907	176 00	193 51	8 2	15	26	30	4 20	4 29	17 40	29 79	2 48	2 48	1 9	3 3	15 1	33 70	35 08	
1908	174 92	171 06	7 4	15	22	27	4 13	5 40	19 23	30 79	2 59	2 59	2 0	3 0	16 8	32 72	38 01	
1909	153 45	115 60	6 9	11	21	21	3 38	5 96	18 35	31 47	2 4	2 85	1 8	2 7	13 3	28 54	35 60	
1910	161 89	112 78	5 0	13	24	25	3 21	6 39	18 37	31 11	2 1	2 75	1 8	2 8	12 5	30 52	30 65	
1911	177 78	116 04	5 3	13	23	26	3 25	6 67	18 51	28 42	2 2	2 83	2 0	3 2	11 9	36 67	31 29	
1912	219 75	116 74	6 6	13	21	24	3 11	6 47	17 46	29 78	2 1	2 85	1 9	2 0	12 7	41 56	32 03	
1913	193 67	171 08	9 0	14	23	25	3 15	6 71	17 38	32 14	2 0	2 77	1 5	2 0	15 3	46 30	35 17	
1914	177 34	196 82	8 6	17	25	26	3 42	6 75	19 13	33 49	2 0	2 71	1 5	2 0	14 4	39 35	31 82	
1915	217 73	180 12	7 0	17	23	25	3 09	6 67	18 99	33 82	2 0	2 90	1 4	1 9	13 4	32 44	28 34	
1916	232 45	178 30	9 0	22	28	29	3 61	6 51	18 98	33 27	1 9	2 99	1 4	2 8	7 9	35 34	29 98	
1917	238 17	225 03	10 8	29	36	39	4 61	6 78	20 86	60 71	2 4	3 23	1 4	4 1	10 8	26 1	39 97	
1918	403 40	352 99	13 3	40	54	62	6 25	9 46	25 49	62 66	2 8	4 42	1 3	4 8	8 4	24 5	54 60	
Dec 31—																		
1919	561 59	280 95	14 8	38	61	59	7 35	9 99	32 24	65 24	3 5	5 48	1 2	5 1	12 4	20 5	56 73	
1920	411 75	304 09	15 6	32	61	58	9 48	13 62	42 31	110 50	4 7	6 06	1 3	6 1	14 5	18 6	58 54	
1921	255 56	184 71	8 7	12	22	20	5 71	14 23	34 67	63 30	5 0	6 56	1 3	4 7	12 1	12 6	30 71	
1922	232 40	124 89	9 4	17	25	29	7 21	10 53	29 54	56 31	3 5	5 92	1 3	2 8	5 1	12 5	30 26	
1923	288 61	130 32	11 2	21	37	38	7 92	9 95	31 75	60 52	3 7	6 03	1 6	2 6	5 2	14 3	39 56	
1924	345 50	175 54	10 3	24	46	47	6 39	10 24	30 10	55 71	3 7	5 73	2 3	2 7	6 8	12 6	47 32	
1925	458 87	290 51	13 6	30	46	53	6 21	9 30	30 33	55 09	3 6	4 90	2 9	2 0	12 6	12 9	55 40	
1926	373 73	263 92	13 7	26	35	39	5 91	10 25	28 79	59 01	3 3	4 85	3 1	2 3	6 1	12 6	60 63	
1927	306 08	255 49	11 8	26	34	37	5 27	10 32	27 82	57 37	3 3	4 98	3 2	2 0	8 0	11 8	63 30	
1928	341 41	202 65	12 9	25	44	44	4 87	10 45	26 98	53 27	3 2	4 91	2 7	2 9	7 4	12 4	49 80	
1929	290 74	186 95	12 0	27	38	38	4 91	10 81	27 52	52 75	3 0	4 88	2 4	3 0	11 2	16 1	47 06	
1930	259 95	138 08	9 1	20	26	25	3 57	10 76	23 84	49 63	2 9	5 34	2 5	3 3	11 5	13 2	33 31	
1931	145 17	95 60	6 7	12	24	20	2 28	10 97	20 86	42 72	2 7	5 52	2 0	2 5	9 7	8 5	24 82	
1932	148 38	62 91	5 0	9	14	15	1 54	8 61	19 29	35 45	2 4	5 34	1 6	2 3	2 9	5 7	21 12	
1933	211 00	56 99	6 1	10	19	18	1 52	7 41	22 03	33 09	1 9	4 62	1 3	2 8	6 9	6 2	36 36	

¹ Revised to exclude cabinet woods beginning 1919² Unrefined copper beginning 1916

Source: Bureau of Foreign and Domestic Commerce.

15.—WAGES, HOURS OF LABOR, AND EMPLOYMENT

[For data relating to hours of labor and wages shown in other sections, consult the index]

No. 327.—INDEX NUMBERS OF WAGES PER HOUR (EXCLUSIVE OF AGRICULTURE)

NOTE.—These index numbers are based on such information as afforded comparisons through a series of years. No one series of directly comparable data extends through the entire period, although many trades and industries are continuously represented in the table. Agricultural wages are not included in the indexes given in this table, but are presented separately in Table 538, this separation was made because of the seasonal character of the industry, the wide differences in methods of hiring, and the perquisites so often forming a part of the farm wages. The figures in this table indicate the change in earnings per hour when wage workers were actually at work, with 1913 as the base year. During the period, regular full-time working hours have been greatly reduced, hence the figures do not apply to full-time earnings per day or per week. Further, they do not reflect actual earnings in periods of broken time or unemployment.

[1913=100. On currency basis during Civil War period.]

Year	Index number	Year	Index number	Year	Index number	Year	Index number
1840.....	33	1864.....	50	1888.....	67	1912.....	97
1841.....	34	1865.....	58	1889.....	68	1913.....	100
1842.....	33	1866.....	61	1890.....	69	1914.....	102
1843.....	33	1867.....	63	1891.....	69	1915.....	103
1844.....	32	1868.....	65	1892.....	69	1916.....	111
1845.....	33	1869.....	66	1893.....	69	1917.....	128
1846.....	34	1870.....	67	1894.....	67	1918.....	162
1847.....	34	1871.....	68	1895.....	68	1919.....	184
1848.....	35	1872.....	69	1896.....	69	1920.....	234
1849.....	36	1873.....	69	1897.....	69	1921.....	218
1850.....	35	1874.....	67	1898.....	69	1922.....	208
1851.....	34	1875.....	67	1899.....	70	1923.....	217
1852.....	35	1876.....	64	1900.....	73	1924.....	223
1853.....	35	1877.....	61	1901.....	74	1925.....	226
1854.....	37	1878.....	60	1902.....	77	1926.....	229
1855.....	38	1879.....	59	1903.....	80	1927.....	231
1856.....	39	1880.....	60	1904.....	80	1928.....	232
1857.....	40	1881.....	62	1905.....	82	1929.....	233
1858.....	39	1882.....	63	1906.....	85	1930.....	229
1859.....	39	1883.....	64	1907.....	89	1931.....	217
1860.....	39	1884.....	64	1908.....	89	1932.....	186
1861.....	40	1885.....	64	1909.....	90		
1862.....	41	1886.....	64	1910.....	93		
1863.....	44	1887.....	67	1911.....	95		

Source: Bureau of Labor Statistics, Department of Labor.

No. 328.—INDEX NUMBERS OF WAGES PER HOUR, COST OF LIVING, AND REAL WAGES

NOTE.—The general trend of wages per hour presented in table 327 relate to the money received per hour by the wage earner as compensation for his work. The real measure of his wage, however, is not his money income, but what he is able to buy with it. In the following table, therefore, index numbers relating to wages per hour and to cost of living are brought together and from them a third index number is computed showing the change in the worker's "real wage."

[1913=100]

Year	Index numbers of—			Year	Index numbers of—		
	Wages per hour	Cost of living	Real wages		Wages per hour	Cost of living	Real wages
1913.....	100	100 0	100 0	1923.....	217	171. 0	126 9
1914.....	102	103. 0	99 0	1924.....	223	170 7	130 6
1915.....	103	105 1	98 0	1925.....	226	175. 7	128 6
1916.....	111	118 3	93 8	1926.....	229	175 2	130 7
1917.....	128	142. 4	89 9	1927.....	231	172 7	133 8
1918.....	162	174 4	92 9	1928.....	232	170. 7	135 9
1919.....	184	188 3	97 7	1929.....	233	170. 8	136 4
1920.....	234	208 5	112 2	1930.....	229	163. 7	139 9
1921.....	218	177 3	123 0	1931.....	217	148 1	146 5
1922.....	208	167 3	124 3	1932.....	186	133. 9	138 9

Source. Bureau of Labor Statistics, Department of Labor.

No. 329.—WAGES AND HOURS OF LABOR: AVERAGE FULL-TIME HOURS PER WEEK AND EARNINGS PER HOUR IN SPECIFIED MANUFACTURING INDUSTRIES

NOTE.—General index based on 1913=100. Data are not collected annually, but at intervals, they are available, however, for some years not shown in this table unless otherwise indicated

TEXTILES

Year	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
Cotton goods																
	Weavers, male		Weavers, female		Spinners, frame, male		Spinners, frame, female		Speeder tenders, male		Speeder tenders, female		General index ¹			
		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.				
1910.....	58 8	0 151	57 8	0 147	57 2	0 120	59 0	0 108	61 4	0 131	57 8	0 133	102 1	87.5		
1913.....	57 6	.170	56 7	.164	56 9	.143	57 8	.128	59 9	.145	56 5	.153	100 0	100.0		
1918.....	56 2	.301	55 4	.285	54 3	.248	56 1	.233	54 2	.265	55 0	.277	97 0	179.9		
1920.....	51 8	.573	50 3	.528	50 7	.475	51 8	.427	54 2	.533	50 2	.456	89 7	323.5		
1922.....	52 6	.389	51 6	.380	53 4	.292	52 6	.301	54 1	.358	51 0	.369	91 5	222.4		
1924.....	52 8	.449	51 8	.429	53 2	.369	53 1	.319	54 3	.394	51 2	.411	91 8	250.7		
1926.....	53 2	.396	51 9	.375	55 1	.289	53 5	.282	55 1	.343	51 0	.368	92 3	221.0		
1928.....	53 4	.392	52 2	.371	57 8	.339	52 9	.276	55 1	.345	51 2	.359	92 5	218.3		
1930.....	52 7	.400	52 0	.381	55 5	.322	53 5	.266	54 8	.343	51 3	.349	92 5	219.0		
1932.....	53 1	.314	52 0	.307	53 6	.214	53 6	.213	54 2	.273	51 6	.296	92 5	179.2		

Woolen and worsted goods²

Year	Weavers, male		Weavers, female		Spinners, mule, male		Spinners, frame, female		Burlers, female		Laborers, dyehouse, male		General index ¹	
		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		
1910.....	57 1	0 207	56 3	0 180	57 0	0 224	56 0	0 122	56 5	0 130	56 3	0 143	101 3	90.4
1913.....	57 3	.232	56 0	.197	56 5	.239	55 5	.140	55 6	.146	55 6	.159	100 0	100.0
1918.....	54 5	.470	54 1	.406	54 9	.499	52 4	.278	54 1	.276	54 7	.304	97 0	192.6
1920.....	48 3	.807	48 3	.747	48 2	.816	48 2	.481	48 4	.452	48 3	.564	86 2	353.7
1922.....	48 3	.616	48 4	.576	49 2	.670	48 4	.345	48 2	.371	48 9	.435	87 1	267.0
1924.....	48 8	.701	48 9	.654	48 9	.755	48 9	.417	49 2	.420	49 2	.490	87 7	300.2
1926.....	48 9	.652	49 2	.600	49 7	.695	49 8	.362	49 3	.381	49 4	.445	88 0	276.5
1928.....	48 9	.658	48 8	.605	49 5	.684	49 7	.383	49 3	.383	49 1	.463	88 0	289.5
1930.....	49 3	.636	49 2	.579	49 6	.659	49 1	.387	49 0	.354	49 4	.458	88 0	266.4
1932.....	49 8	.611	48 6	.544	50 0	.620	49 4	.389	49 4	.359	49 8	.436	89 2	228.2

Silk and rayon goods

Year	Weavers, broad silk, male		Weavers, broad silk, female		Spinners, male		Spinners, female		Winders, hard silk, female		Loom fixers, male		General index ¹	
		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		
1910.....	56 9	0 213	56 7	0 141	57 5	0 094	56 9	0 091	57 3	0 093	56 5	0 289	101 3	86.5
1913.....	56 0	.253	56 1	.198	56 6	.117	56 3	.110	56 3	.112	55 8	.321	100 0	100.0
1914.....	54 5	.247	54 2	.189	54 7	.119	54 2	.138	56 1	.121	54 3	.320	98 0	104.7
1919.....	51 7	.473	52 0	.398	53 9	.342	50 3	.274	51 5	.269	51 5	.546	92 6	190.0
1931.....	51 2	.499	49 6	.422	54 2	.344	50 2	.289	50 1	.293	51 0	.746	91 0	215.8
1933.....	50 7	.287	49 6	.254	55 6	.351	50 0	.211	50 3	.206	51 2	.534	91 4	143 0

Men's clothing

Year	Cutters, cloth, hand and machine, male		Pressers, coat, male		Operators, coat, male		Operators, coat, female		Hand sewers, coat, female		Basters, coat, male		General index ¹	
		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		
1911.....	49 9	0 406	55 1	0 240	55 9	0 264	54 2	0 195	54 8	0 155	55 3	0 220	104 6	86.7
1913.....	49 0	.433	52 3	.291	52 5	.305	52 1	.199	52 1	.179	52 5	.267	100 0	100.0
1919.....	47 7	.628	47 8	.541	47 6	.591	48 1	.361	47 8	.334	47 5	.511	92 7	173.5
1922.....	44 0	1 033	44 1	.869	44 1	.962	43 9	.593	44 2	.526	44 3	.848	85 3	283.2
1924.....	44 2	1 111	44 2	.934	44 1	1 033	43 6	.614	44 1	.555	44 4	.889	85 3	295.7
1926.....	44 2	1 123	44 3	.933	44 1	1 034	44 4	.638	44 4	.545	44 3	.925	85 7	291.8
1928.....	43 8	1 129	44 0	.912	44 2	1 016	43 3	.632	43 9	.527	44 2	.905	85 1	284.4
1930.....	44 0	1 139	44 2	.867	44 3	.958	43 8	.570	44 2	.496	44 3	.834	85 7	272.7
1932.....	44 2	.920	44 3	.608	44 2	.687	44 5	.407	44 4	.345	44 2	.581	85 8	196.9

¹ Covers all occupations of industry or branch of industry indicated, including those not shown.

² Figures for the years 1910 to 1930 inclusive (except those for 1930 in italics) exclude Southern mills; the figures for 1930 in italics and those for 1932 include Southern mills.

No. 329.—WAGES AND HOURS OF LABOR, ETC.—Continued

TEXTILES—Continued

Year	Hosiery and underwear													
	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
	Boarders, hosiery, male		Finishers, underwear, female		Knitters, web or tube underwear, male		Knitters, transfer, hosiery, female		Loopers, hosiery, female		Seamers, underwear, female		General index ¹	
	Hours per week	Dolls.	Hours per week	Dolls.	Hours per week	Dolls.	Hours per week	Dolls.	Hours per week	Dolls.	Hours per week	Dolls.	Hours per week	Dolls.
1910.....	57.0	0.193	57.9	0.150	58.0	0.201	57.5	0.121	57.3	0.133	57.8	0.143	104.2	82.0
1913.....	55.8	.219	54.7	.184	55.4	.249	56.0	.149	56.0	.150	54.5	.176	100.0	100.0
1919.....	52.6	.450	51.9	.297	52.9	.407	53.0	.272	52.2	.296	51.3	.287	94.2	183.1
1922.....	51.3	.462	50.2	.327	51.8	.448	50.7	.293	50.8	.327	50.3	.325	91.9	213.0
1924.....	51.9	.581	49.8	.377	51.3	.528	50.8	.344	50.8	.384	50.3	.372	91.3	246.1
1926.....	53.4	.481	50.3	.358	52.0	.534	52.5	.298	52.4	.371	50.2	.374	92.4	266.6
1928.....	53.8	.521	50.2	.341	52.2	.490	53.1	.294	53.0	.385	50.2	.355	92.4	267.8
1930.....	58.7	.488	50.8	.341	51.9	.515	53.7	.273	53.0	.386	50.0	.354	93.1	273.8
1932.....	53.3	.380	50.8	.282	52.3	.390	53.7	.205	52.6	.289	50.6	.274	93.0	213.6

BOOTS AND SHOES

Year	Boots and shoes													
	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
	Cutters, vamp and whole shoe, hand, male		Treeers, hand and machine, male		Vampers, female		Bed-machine operators, male		Top stitchers, female		Lining makers, female		General index ¹	
	Hours per week	Dolls.	Hours per week	Dolls.	Hours per week	Dolls.	Hours per week	Dolls.	Hours per week	Dolls.	Hours per week	Dolls.	Hours per week	Dolls.
1910.....	56.3	0.319	55.9	0.259	56.9	0.238	56.4	0.188	56.3	0.186	56.5	0.164	102.7	92.0
1913.....	54.5	.351	55.3	.282	54.7	.246	55.2	.320	54.6	.210	54.6	.190	100.0	100.0
1920.....	47.8	.829	48.3	.677	48.8	.508	48.7	.789	48.5	.448	48.6	.378	88.2	232.0
1922.....	48.3	.787	48.6	.577	49.0	.480	48.9	.668	48.8	.433	48.8	.362	88.4	207.9
1924.....	48.4	.838	48.8	.624	49.4	.519	49.1	.692	49.3	.462	49.3	.369	88.9	214.1
1926.....	48.9	.808	49.2	.611	49.1	.531	49.1	.700	49.3	.486	49.3	.413	88.9	219.1
1928.....	48.6	.824	49.2	.624	49.3	.505	49.2	.682	49.4	.451	49.2	.398	89.2	220.3
1930.....	48.7	.796	49.1	.563	49.1	.465	49.1	.657	49.1	.419	48.8	.395	88.8	212.0
1932.....	48.9	.634	49.3	.433	49.0	.355	49.1	.515	49.0	.338	48.9	.310	88.8	171.2

IRON AND STEEL

Year	Blast furnaces													
	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
	Stockers		Larrymen		Blowers		Keepers		Keepers' helpers		Laborers		General index ¹	
	Hours per week	Dolls.	Hours per week	Dolls.	Hours per week	Dolls.	Hours per week	Dolls.	Hours per week	Dolls.	Hours per week	Dolls.	Hours per week	Dolls.
1913.....	78.0	0.192	82.3	0.217	82.2	0.332	82.0	0.235	82.2	0.186	72.5	0.171	100	100
1920.....	75.5	.527	73.8	.586	73.2	.868	73.3	.635	74.5	.522	72.3	.474	94	279
1922.....	74.4	.352	75.1	.408	72.4	.678	75.3	.420	75.3	.349	67.7	.315	94	194
1924.....	60.1	.465	57.7	.548	58.3	.589	57.1	.579	58.6	.475	62.4	.401	78	254
1926.....	60.1	.465	57.9	.551	58.5	.902	57.4	.579	59.1	.471	62.4	.389	78	252
1929.....	62.6	.451	58.5	.552	58.7	.918	57.7	.579	59.5	.486	63.8	.373	79	258
1931.....	57.2	.485	55.3	.563	55.8	.929	55.2	.573	56.2	.492	59.5	.384	74	269
1933.....	55.4	.374	54.5	.430	54.8	.727	54.2	.439	53.9	.382	57.2	.289	72	217

Year	Open-hearth furnaces													
	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
	Stockers		Charging-machine operators		Melters' helpers, first		Steel pourers		Ladle cranimen		Laborers		General index ¹	
	Hours per week	Dolls.	Hours per week	Dolls.	Hours per week	Dolls.	Hours per week	Dolls.	Hours per week	Dolls.	Hours per week	Dolls.	Hours per week	Dolls.
1913.....	77.8	0.197	78.0	0.335	77.1	0.440	77.0	0.370	77.2	0.341	76.2	0.187	100	100
1920.....	70.9	.573	67.2	.895	69.4	1.089	68.0	.929	68.3	.837	68.5	.525	90	283
1922.....	73.9	.379	72.2	.625	71.4	.775	70.4	.645	72.9	.588	67.9	.354	92	203
1924.....	58.2	.540	56.3	.863	55.5	1.064	56.5	.837	55.2	.832	59.0	.434	76	268
1926.....	57.8	.535	55.7	.951	55.3	1.170	55.6	.889	54.9	.900	59.2	.429	74	286
1929.....	57.9	.560	56.2	.958	55.9	1.247	56.3	.927	55.8	.941	60.5	.433	75	301
1931.....	54.5	.527	53.2	.879	53.1	1.239	53.5	.851	53.2	.846	57.5	.436	70	297
1933.....	54.3	.376	52.4	.629	52.4	.867	53.1	.575	52.4	.566	54.9	.330	70	217

¹ Covers all occupations of industry or branch of industry indicated, including those not shown.

No. 329.—WAGES AND HOURS OF LABOR, ETC.—Continued

IRON AND STEEL—Continued

Year	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
	Bar mills																	
	Stockers		Rollers		Roughers		Finishers		Hotbed men		Laborers		General index ¹					
1913.....	60.2	<i>Dolls</i> 0.216	59.3	<i>Dolls</i> 0.985	59.8	<i>Dolls</i> 0.436	59.6	<i>Dolls</i> 0.350	60.3	<i>Dolls</i> 0.217	62.5	<i>Dolls</i> 0.169	100	100				
1920.....	61.5	.612	59.5	1.949	57.8	1.034	60.0	.866	58.8	.618	65.1	.506	100	248				
1922.....	59.2	.420	58.4	1.416	57.3	.709	57.9	.638	58.3	.439	64.5	.316	100	169				
1924.....	56.0	.502	53.9	1.577	54.7	.810	54.0	.749	53.8	.538	57.5	.392	90	203				
1926.....	54.2	.519	53.2	1.699	53.2	.847	53.0	.848	53.0	.556	55.0	.411	89	205				
1929.....	53.5	.530	55.0	1.822	55.8	.887	53.9	.952	54.5	.601	56.0	.399	90	217				
1931.....	54.2	.455	55.4	1.542	56.7	.791	54.4	.864	54.1	.578	54.2	.394	89	204				
1933.....	52.2	.326	54.5	.965	55.8	.536	55.0	.500	55.5	.349	53.7	.305	88	148				
Tin-plate mills																		
	Rollers		Roughers		Doubblers, mechanical		Heaters, level-hand		Tinner, hand		Assorters, female		General index ¹					
1913.....	42.7	1.139	42.7	0.533	42.7	0.740	42.7	0.595	43.6	0.433	53.7	0.163	100	100				
1920.....	42.7	2.542	42.7	1.363	42.7	1.655	42.7	1.465	42.9	1.114	46.9	.465	110	228				
1922.....	42.7	1.701	42.7	.893	42.7	1.046	42.7	1.001	43.3	.795	43.3	.305	108	156				
1924.....	42.7	2.099	42.7	1.150	42.7	1.243	42.7	1.229	43.4	.976	43.6	.422	106	191				
1926.....	42.7	1.635	42.7	.902	42.7	.787	42.7	.917	43.5	.840	43.4	.384	104	169				
1929.....	42.7	1.778	42.7	1.014	42.7	.679	42.7	.982	42.7	.907	46.1	.369	103	176				
1931.....	42.7	1.737	42.7	.989	42.7	.749	42.7	.942	42.7	.899	45.5	.380	102	171				
1933.....	42.6	1.250	42.6	.709	42.6	.544	42.6	.721	43.8	.654	45.2	.295	102	124				

GENERAL INDEXES FOR OTHER BRANCHES—IRON AND STEEL

Year	Bessemer converters		Puddling mills		Blooming mills		Plate mills		Standard-rail mills		Sheet mills	
	Hours	Dolls	Hours	Dolls	Hours	Dolls	Hours	Dolls	Hours	Dolls	Hours	Dolls
1913.....	100	100	(4)	(4)	100	100	100	100	100	100	100	100
1920.....	100	238	101	270	92	249	98	263	86	249	98	215
1922.....	98	165	98	151	93	178	95	187	87	185	98	144
1924.....	75	220	105	220	75	231	82	220	81	226	96	168
1926.....	75	226	98	200	74	237	80	238	78	234	94	157
1929.....	77	226	95	209	75	251	83	251	79	247	94	164
1931.....	76	234	100	181	72	251	81	246	77	241	91	155
1933.....	75	173	99	145	72	184	77	176	75	206	90	98

MOTOR VEHICLES⁵

Year	Assemblers, chassis and final, male		Assemblers, motor, male		Gear-cutter operators, male		Grinding-machine operators, male		Tool and die makers, male		Employees in all occupations			
											Males		Females	
	Hours	Dolls	Hours	Dolls	Hours	Dolls	Hours	Dolls	Hours	Dolls	Hours	Dolls	Hours	Dolls
1922.....	50.3	0.644	50.0	0.661	50.2	0.678	50.0	0.710	50.0	0.769	50.1	0.662	50.3	0.438
1925.....	50.0	.721	49.8	.747	50.6	.746	50.1	.765	50.2	.875	50.3	.729	50.1	.467
1928.....	49.7	.768	50.1	.762	49.5	.760	48.8	.792	48.8	.919	49.4	.756	50.3	.487
1930.....	48.0	.681	48.8	.725	48.3	.740	47.6	.780	49.9	.887	48.7	.733	50.6	.436
1932.....	49.0	.570	48.4	.632	48.7	.623	47.7	.669	47.0	.785	48.3	.638	50.5	.361

FOUNDRIES⁵

Year	Core makers, male		Core makers, female		Laborers, male		Molders, hand, floor, male		Pattern makers, male		Employees in all occupations			
											Males		Females	
	Hours	Dolls	Hours	Dolls	Hours	Dolls	Hours	Dolls	Hours	Dolls	Hours	Dolls	Hours	Dolls
1923.....	51.4	0.690	49.2	0.431	53.5	0.428	51.2	0.729	51.1	0.750	52.4	0.560	49.3	0.404
1925.....	50.3	.734	48.6	.444	52.5	.481	50.4	.802	50.4	.804	51.5	.612	49.0	.427
1927.....	50.4	.755	48.4	.491	52.1	.491	49.9	.820	50.3	.830	51.1	.626	49.0	.459
1929.....	49.9	.744	49.1	.469	52.1	.490	50.0	.828	50.1	.833	51.0	.625	49.7	.451
1931.....	50.0	.706	48.6	.430	50.8	.460	50.0	.782	49.3	.834	50.3	.601	48.7	.422
1933.....	49.0	.550	48.1	.324	50.0	.378	48.9	.612	49.2	.652	49.4	.483	48.3	.314

¹ Covers all occupations of industry or branch of industry indicated, including those not shown⁵ Includes hand, prior to 1929⁴ No data⁵ Data available only for years shown, see head note.

WAGES AND HOURS OF LABOR

No. 329.—WAGES AND HOURS OF LABOR, ETC.—Continued

MACHINE SHOPS¹

Year	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
	Assemblers, male		Fitters and bench hands, male		Laborers, male		Lathe operators, engine, male		Machinists, male		Employees in all occupations					
											Males			Females		
	(4)	Dolls.	(4)	Dolls.	(4)	Dolls.	(4)	Dolls.	(4)	Dolls.	(4)	Dolls.	(4)	Dolls.	(4)	Dolls.
1923.....	50 6	0.575	49 9	0.616	51 1	0.418	50 9	0.633	50 0	0.683	50.8	0.560	49.1	0.366		
1925.....	49 6	.634	49 8	.643	50 6	.456	50.3	.663	49.9	.702	50.4	.604	49.3	.420		
1927.....	50.1	.653	49 5	.662	50 4	.456	50 2	.695	49 5	.728	50.1	.629	48.9	.403		
1929.....	50.1	.657	49 5	.677	50 5	.469	50 3	.717	49.8	.739	50.3	.641	49.3	.399		
1931.....	49.9	.656	49 5	.666	50 3	.455	50 0	.706	49.0	.733	49.8	.637	49.2	.408		
1933.....	48.3	.538	48 5	.562	48 8	.379	48 8	.578	48 3	.606	48 5	.545	47 4	.351		

LUMBER (SAWMILLS)

Year	Doggers		Setters		Sawyers, head, band		Edgermen		Trimmer operators		Laborers		General index ¹	
	(4) Dollars		(4) Dollars		(4) Dollars		(4) Dollars		(4) Dollars		(4) Dollars		(4) Dollars	
1910.....	61 2	0.184	61 0	0.258	61 2	0.543	61 2	0.255	61 0	0.209	61 3	0.166	100.3	97.3
1913.....	61 2	0.184	61 0	0.258	60 9	.557	61.0	.268	61 0	.217	61.1	.171	100.0	100.0
1915.....	61 3	.178	61.2	.239	61 0	.539	61.0	.252	61 1	.203	61 3	.157	100.0	91.4
1919.....	57.8	.358	57 0	.446	57 5	.768	57 5	.450	57 3	.405	57.1	.345	91.8	194.6
1921.....	58 1	.306	57 6	.412	57 8	.797	57 5	.437	57 0	.380	57 2	.285	93.6	166.5
1923.....	57 6	.343	57 0	.474	57 0	.883	57 1	.492	56 9	.430	57 5	.310	93.8	180.5
1925.....	58.2	.332	57.5	.458	57 7	.877	57.8	.468	57.7	.409	57.5	.309	93.8	178.0
1928.....	57 6	.335	56 5	.468	56 7	.887	56 7	.470	55.8	.429	56 9	.303	91.3	184.9
1930.....	57 9	.306	56 5	.451	55 9	.886	56 4	.461	55 8	.398	56 6	.291	91.2	179.0
1932.....	56 9	.212	55 8	.319	55 6	.652	55 7	.324	55.1	.283	56 0	.205	90 0	127.6

FURNITURE

Year	Assemblers and cabinet makers, male		Carvers, hand, male		Carvers, machine, male		Machine hands, male		Upholsterers, male		Veneerers, male		General index ¹	
	(4) Dollars		(4) Dollars		(4) Dollars		(4) Dollars		(4) Dollars		(4) Dollars		(4) Dollars	
1910.....	58 0	0.228	56 1	0.313	(4)	(4)	58 7	0.212	55.0	0.297	58 8	0.200	101.4	98.6
1912.....	58 1	.223	56 3	.313	(4)	(4)	58 5	.211	56.4	.291	58.3	.213	101.4	97.3
1913.....	57 2	.227	55 2	.317	(4)	(4)	57 8	.217	56.2	.295	57.3	.217	100.0	100.0
1915.....	57 1	.235	55.5	.322	56 6	0.286	57.5	.223	55 3	.312	57 0	.218	99.5	103.2
1929.....	52 1	.560	48 6	.956	51 1	.765	52 4	.512	50.1	.724	52 5	.454	89 9	236.3
1931.....	51 9	.445	49 7	.745	51 7	.576	52 1	.428	50 3	.538	52.5	.376	89 8	198.2

SLAUGHTERING AND MEAT PACKING²

Year	Cattle killing										Hogkilling			
	Headers, male		Leg breakers, male		Floormen or siders, male		Gutters and bung droppers, male		Splitters, male		Laborers, male ⁷		Stackers, male	
	(4)	Dolls. 0 384	(4)	Dolls. 0 318	(4)	Dolls. 0 563	(4)	Dolls. 0 319	(4)	Dolls. 0. 591	(4)	Dolls. 0. 238	(4)	Dolls. 0 357
1917-----														
1921-----	47 6	. 645	47 8	. 574	48 0	. 848	47 8	. 578	47. 8	. 355	47. 8	. 471	49 6	. 611
1923-----	52 1	. 627	52 8	. 529	52 6	. 849	52 5	. 554	52. 5	. 857	52 2	. 436	53. 0	. 652
1925-----	50 0	. 641	49 9	. 558	49 9	. 856	50 1	. 575	50. 0	. 855	50. 2	. 442	51. 8	. 627
1927-----	49 0	. 662	49 1	. 556	49 2	. 877	49 0	. 587	49 1	. 876	49. 4	. 451	50. 3	. 631
1929-----	48 8	. 644	48 7	. 580	48 7	. 882	48. 9	. 598	48 7	. 879	48 6	. 466	50 0	. 645
1931-----	49 1	. 592	48 7	. 512	48 9	. 800	49. 1	. 517	48 9	. 780	49. 0	. 408	50 0	. 565

¹ Covers all occupations of industry or branch of industry indicated, including those not shown⁴ No data.⁶ Data are available only for years shown, see headnote.⁷ Data for doggers and setters not shown separately prior to 1911.⁸ Includes floor cleaners, mark heads, spread cattle, tie guts, laundrymen, taggers, etc.

No. 329.—WAGES AND HOURS OF LABOR, ETC.—Continued

SLAUGHTERING AND MEAT PACKING—Continued

Year	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
	Hog killing—Continued										All departments ⁸			
	Scalders, male ⁹		Shavers and scrapers, male		Gutters, bung dropers, and rippers—open, male		Splitters, male		Laborers, male ¹⁰		All males		All females	
	(⁴)	Dolls.	(⁴)	Dolls.	(⁴)	Dolls.	(⁴)	Dolls.	(⁴)	Dolls.	(⁴)	Dolls.	(⁴)	Dolls.
1917.....		0 295		0 290		0 337		0 364		0 237		0 271		0 178
1921.....	48 8	.516	48 9	.502	48 7	.584	48 8	.621	48 8	.451	48 4	.511	48 3	.365
1923.....	52 1	.496	52 5	.497	52 4	.572	52 3	.627	52 2	.444	52 2	.499	52 8	.361
1925.....	51 9	.514	51 4	.523	51 9	.590	51 5	.635	51 7	.433	50 2	.507	49 4	.359
1927.....	50 5	.521	50 6	.535	50 4	.589	50 1	.630	51 0	.442	49 5	.517	49 1	.363
1929.....	50 2	.516	49 9	.528	50 0	.602	49 9	.654	49 8	.443	49 3	.525	48 9	.369
1931.....	50 4	.475	50 1	.480	50 3	.527	49 8	.583	49 6	.400	49 2	.470	48 9	.321

⁴ No data⁸ Includes cattle, hog, sheep, and calf killing, offal, hide, casing, cutting of fresh beef, cutting of fresh pork, lard and oleo oil, sausage, cured meat, canning, and maintenance and repair departments.⁹ Includes tubmen, droppers, gamb cutters, polemen, and duckers.¹⁰ Includes drivers, penners, steamers, singers, washers, atchbone breakers, and toe pullers.

Source: Bureau of Labor Statistics, Department of Labor.

No. 330.—AVERAGE WAGES PER HOUR AND AVERAGE ACTUAL HOURS OF LABOR PER WEEK IN SUNDRY INDUSTRIES

NOTE.—All averages are weighted according to the relative importance of the different occupations in the industry. Data are available only for the years specified.

Year and industry	Hours, average		Wages, average		Year and industry	Hours, average		Wages, average	
	Males	Fe-males	Males	Fe-males		Males	Fe-males	Males	Fe-males
Aircraft engines, 1929.....	50 3	-----	Cents	Cents	Gasoline filling stations, 1931.....	59 5	-----	Cents	Cents
Airplanes, 1929.....	47.3	44.9	70 6	38.0	Glass, 1932.....	34.8	38 8	39.3	24 7
Air transportation.....			66 9		Leather, 1932.....	42 1	40 9	49 7	30 3
Ground personnel.....					Motor-vehicle repair garages, 1931.....	51 0	-----	57.9	-----
1931.....	1 49 5	1 48.0	64 5	49.7	Portland cement.....				
1933.....	1 49 8	1 46.8	61 3	45.7	1929.....	56 7	46 6	51.8	38 9
Pilots ²					1932.....	45.8	27.2	40.1	38 6
1931.....	80 4	-----	708 4	-----	Pottery.....				
1933.....	85 3	-----	736 1	-----	Semivitreous.....				
Copilots, ³					1925.....	4 74 4	4 69.0	70 5	38 5
1931.....	170 0	-----	134.1	-----	1932.....	4 59 3	4 54 6	53.5	29 2
1933.....	124 9	-----	185 1	-----	Vitreous.....				
Bakeries, bread, 1931.....	54 0	46.7	55 3	29.8	1925.....	4 83 5	4 77 4	63.8	32 9
Bakeries, cake, 1931.....	49 9	44 1	48.6	27.5	1932.....	4 45 8	4 40 7	54.6	26 4
Cane-sugar refining, 1930.....	55 1	43.0	47.2	28.9	Rayon and other synthetic textiles.....				
Cigarettes, 1930.....	46 5	43.2	37.8	26.8	1930.....	46 7	42 3	50 4	34.4
Dyeing and finishing of textiles.....					1932.....	47 9	44 3	40.8	28 3
1930.....	50 7	42.4	47.3	33.5					
1932.....	51 1	43 5	41.8	29.1					

¹ Average credited hours per week² Average hours actually flown in 1 month and average earnings per flight hour³ Average full-time hours in 1 month and wages per hour on duty regardless of actual flight.⁴ Average actual hours worked in 2 weeks

Source: Bureau of Labor Statistics, Department of Labor

No. 331.—AVERAGE WAGES PER HOUR AND AVERAGE FULL-TIME HOURS OF LABOR PER WEEK IN THE PETROLEUM INDUSTRY, 1929

NOTE.—The four States shown accounted for about 85 per cent of the total petroleum production in the United States in 1928. The "general average," which covers all occupations of the industry indicated, including those not shown separately, is weighted according to the relative importance of the occupations.

District	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
Oil wells														
	Derrick men		Drillers		Drillers' helpers and clean-outs' helpers		Engineers and pump-ers		Firemen		Laborers, roustabouts, and connec-tion men		General average	
	Hours	Dolls	Hours	Dolls	Hours	Dolls	Hours	Dolls	Hours	Dolls	Hours	Dolls	Hours	Dolls
California.....	48 0	0 991	48 0	1 369	48 0	0 888	48 0	0 812	48 0	0 769	48 0	0 734	48 0	0 917
Louisiana, northern.....	70.5	.511	75 6	.819	76.5	.438	71 3	.494	79 8	.468	67.3	.472	69.9	.522
Louisiana, southern.....	65 9	.562	68 2	.954	66.9	.496	72 2	.516	70 3	.521	63 6	.488	66.7	.572
Oklahoma.....	84.0	.602	74.5	1 080	66 5	.616	73.8	.454	78 0	.486	56 5	.522	62.6	.553
Texas, Gulf.....	60.4	.582	61 1	.969	59 2	.533	76 2	.479	69 8	.512	53.8	.519	62 5	.585
Texas, other.....	76.2	.505	80 3	.881	77.4	.501	81.5	.435	82 1	.479	65.0	.491	67.4	.535
Pipe lines														
	Engineers and pump-ers		Firemen		Gaugers		Laborers, roustabouts, and connec-tion men		Line walk-ers		Telegraph operators		General average	
	Hours	Dolls	Hours	Dolls	Hours	Dolls	Hours	Dolls	Hours	Dolls	Hours	Dolls	Hours	Dolls
California.....	48.0	0.871	48 0	0.799	48 0	0.900	48 0	0 704	48 0	0 745	-----	-----	48.0	0 803
Louisiana.....	57.4	.673	53 6	.630	59 5	.726	55 1	.437	57 4	.604	50.1	0.668	55 5	.612
Oklahoma.....	58.3	.694	51 1	.711	64 1	.698	55.4	.456	56 5	.613	48.4	.720	56.3	.590
Texas, Gulf.....	55.5	.666	55 4	.605	53 9	.694	55.5	.479	56 4	.632	50.1	.690	55 2	.577
Texas, other.....	57.1	.681	55 3	.629	61.5	.661	61.9	.493	69 8	.565	52.6	.666	60.4	.591

¹ Northern and southern Louisiana districts combined to avoid disclosing the identity of establishments.

No. 332.—AVERAGE WAGES PER HOUR AND AVERAGE FULL-TIME HOURS OF LABOR PER WEEK IN MINING INDUSTRIES

NOTE.—Nearly all coal mines operate on a 48-hour week, but contract miners and their laborers in anthracite mines, and loaders, hand or pick miners, and machine miners in bituminous mines, generally work less hours. General averages are weighted according to relative importance of the different occupations. Data are not collected annually, but at intervals, and are available only for the years specified except for bituminous coal mines for which 1926 data are also shown in the 1933 Statistical Abstract.

Industry and occupation	1924	1931	Industry and occupation	1922	1924	1929	1931	1933
Metalliferous mines¹			Anthracite.¹					
Average hours—			Average wages—	Cents	Cents	Cents	Cents	Cents
General average.....	53.0	51 6	General average.....	75 3	85.7	-----	82 4	-----
Drilling-machine operators—			Company miners.....	69 7	79.5	-----	76 9	-----
Company.....	51 4	49 5	Laborers.....	62 9	69.6	-----	68 5	-----
Contract.....	48 6	49 1	Contract miners.....	117 3	143.2	-----	118 0	-----
Muckers.....	52.7	50 2	Laborers.....	82 9	97.1	-----	83 3	-----
Timbermen.....	51 5	48 7	Drivers.....	58 0	63.2	-----	64 5	-----
Topmen.....	55.3	54 9	Trackmen.....	67.5	74.1	-----	74 0	-----
Trammers.....	60.9	48 9						
Average wages—	Cents	Cents	Bituminous coal:					
General average.....	55 9	55 9	Average wages—					
Drilling-machine operators—			General average ²	85 3	78.8	65 9	59 8	41 0
Company.....	59 4	64 6	Brakemen ¹	77.9	71.0	59 6	57 6	42 1
Contract.....	72 9	69 4	Drivers ¹	82 4	74.8	63 7	60 2	45 2
Muckers.....	55.4	50 5	Loaders, hand ³	90.2	81.1	64 8	56 1	36 9
Timbermen.....	60.4	60 2	Miners, hand or pick ³	84.0	80.8	67 3	58 9	37 6
Topmen.....	42.8	40 0	Miners, machine ³	127 4	116 3	101 8	94.0	62 6
Trammers.....	55 0	52 4	Trackmen ¹	82.6	73.7	63 5	60 8	44 6

¹ Based on hours actually worked, excluding lunch time.

² Based on a combination of hours at place of work in mine, including lunch time for loaders and miners, and hours actually worked for all other employees.

³ Based on hours actually worked, plus lunch time.

Source of Tables 331 and 332, Bureau of Labor Statistics, Department of Labor.

NO. 333.—AVERAGE HOURLY WAGE RATES PAID COMMON LABOR

NOTE.—Rates in cents per hour. Data are based on entrance rates paid unskilled adult males in important industries requiring considerable numbers of common laborers. Some establishments reported two rates—one for the 10-hour and one for the 8-hour day, or one for white and one for colored or Mexican workers, these distinctions have not been maintained in the tabulated data, although it is apparent that the lowest rates are shown for those geographic divisions where there are large numbers of colored or Mexican workers, and the highest, for localities where an 8-hour day is more or less prevalent.

Industry and geographic division	1926	1927	1928		1929		1930	1931	1932	1933
	July 1	July 1	Jan 1	July 1	Jan. 1	July 1	July 1	July 1	July 1	July 1
Industries reporting.....	42.8	42.6	43.0	44.9	45.0	43.7	43.1	41.2	38.1	35.1
Automobiles.....	46.1	46.3	50.5	57.2	55.9	49.9	48.2	57.7	62.0	46.5
Brick, tile, and terra cotta.....	40.7	42.2	38.0	39.4	37.8	37.8	38.0	33.9	28.9	24.7
Cement.....	40.1	39.2	38.3	37.2	37.9	37.8	37.9	37.2	30.6	29.5
Electrical machinery, apparatus and supplies.....	43.1	44.2	44.9	46.0	45.7	45.9	44.8	42.9	39.6	41.2
Foundry and machine-shop products.....	37.1	37.8	38.1	38.4	39.4	39.8	39.0	38.2	34.8	31.8
Iron and steel.....	42.7	43.2	42.6	42.5	42.5	42.5	42.1	41.8	31.8	33.6
Leather.....	40.9	41.4	42.1	42.3	42.1	42.2	41.9	39.1	32.9	31.6
Lumber (sawmills).....	33.6	32.2	31.0	31.7	30.8	32.0	31.6	27.7	21.5	20.8
Paper and pulp.....	42.8	42.5	44.2	44.3	43.1	44.0	43.2	37.2	35.6	32.6
Petroleum refining.....	47.9	44.0	44.5	45.4	48.0	45.7	48.1	47.5	42.1	40.7
Slaughtering and meat packing.....	41.5	41.7	41.8	42.2	41.2	42.0	41.8	41.7	34.6	32.3
Public utilities ¹	42.0	39.8	41.2	42.9	41.9	42.8	44.6	44.6	41.5	38.7
General contracting ²	47.1	48.2	48.2	47.4	48.6	48.3	47.0	42.6	39.9	38.3
United States.....	42.8	42.6	43.0	44.9	45.0	43.7	43.1	41.2	38.1	35.1
New England.....	47.1	46.7	47.3	48.2	46.4	48.0	49.5	45.4	40.4	37.1
Middle Atlantic.....	45.1	47.2	48.7	47.8	47.6	46.4	46.1	45.1	40.4	36.7
East North Central.....	48.0	46.7	47.4	51.6	52.2	48.4	47.0	45.2	45.0	38.9
West North Central.....	40.1	40.6	41.1	41.3	41.0	41.8	40.6	42.9	35.8	34.5
South Atlantic.....	32.8	31.5	29.4	29.4	29.2	30.2	32.1	28.9	23.4	25.3
East South Central.....	27.6	27.0	26.7	26.0	26.3	26.8	26.7	25.2	21.0	25.7
West South Central.....	32.5	31.8	30.9	33.8	32.9	35.6	33.0	29.9	23.7	23.4
Mountain.....	44.4	44.4	43.7	44.0	45.1	44.9	45.2	43.1	39.3	42.3
Pacific.....	45.9	46.5	46.6	46.9	48.4	47.9	47.6	43.5	40.2	38.0

¹ Includes street railways, gas works, waterworks, and electric power and light plants.

² Includes building, highway, public works, and railroad construction.

NO. 334.—WAGES OF COMMON LABOR IN ROAD BUILDING: CENTS PER HOUR

NOTE.—The current data beginning January, 1922, are compiled directly from Federal-aid project reports. Earlier data included reports on farm labor or other forms of common labor closely correlated, as reported to the Department of Agriculture and the Department of Labor.

Year and month	United States, average	New England	Middle Atlantic	South Atlantic	East South Central	West South Central	East North Central	West North Central	Mountain	Pacific
1915.....	20	20	20	14	12	16	21	25	26	26
1917.....	28	31	30	21	17	21	29	34	36	36
1918.....	36	39	38	27	23	28	39	45	44	45
1919.....	41	41	41	32	28	36	43	53	47	52
1920.....	49	49	50	37	32	40	53	62	55	60
1921.....	36	38	35	26	25	28	35	45	46	50
1922.....	32	39	37	21	20	24	31	31	37	48
1923.....	38	51	45	25	22	25	39	34	42	54
1924.....	38	50	45	24	24	27	40	36	41	52
1925.....	38	46	45	27	25	27	37	38	44	52
1926.....	39	50	46	30	25	27	38	36	43	52
1927.....	39	49	47	28	25	30	39	38	45	53
1928.....	40	50	44	26	26	28	39	38	46	53
1929.....	39	51	43	27	26	31	40	38	46	53
1930.....	39	50	42	25	25	28	38	37	47	53
1931.....	36	45	38	21	20	23	37	36	45	51
1932.....	32	36	36	19	19	26	37	34	44	48
1933.....	35	36	36	23	20	28	41	35	44	52
1932										
March.....	34	44	38	19	16	27	40	37	45	47
June.....	33	34	35	20	19	25	36	31	44	47
September.....	32	34	34	19	19	26	36	34	44	47
December.....	32	33	35	21	20	27	37	34	44	48
1933										
March.....	32	34	36	21	19	27	40	34	43	50
June.....	33	33	35	23	20	28	39	34	42	49
September.....	37	38	36	25	20	28	43	36	44	52
December.....	38	39	39	25	23	31	45	38	47	58

Sources. Table 333, Bureau of Labor Statistics, Department of Labor, Table 334, Bureau of Public Roads, Department of Agriculture.

No. 335.—INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING INDUSTRIES: REVISED SERIES

NOTE.—Monthly average, 1923-1925=100. Indexes are currently based on monthly reports from establishments representing 90 industries beginning 1931 (52 to 62 industries in earlier years) and employing approximately 50 percent of all factory employees in the United States. The indexes for manufacturing as a whole, for each of the separate industries included (for the most important of which see table 338) and for the 14 industrial groups in Table 337 have been adjusted to conform with the Federal Biennial Census data on employment and pay rolls through the year 1931. Indexes are weighted according to the relative importance of the industries included and are without seasonal adjustment. For a detailed description of the construction of these indexes refer to Bulletin No. 610, published by the United States Bureau of Labor Statistics. See Table 336 for seasonally adjusted indexes of employment.

Year	Jan	Feb.	Mar	Apr.	May	June	July	Aug	Sept	Oct	Nov.	Dec	Year
EMPLOYMENT													
1919.....	105 3	102.0	102.4	102.5	103 1	104.3	106 9	109 7	111 7	111 3	112 6	114 4	107 2
1920.....	114 9	113 7	116.0	114.5	112 0	111.1	108 5	108.8	107 5	103 7	97 4	89 7	108 2
1921.....	81 0	82.6	83.2	82.1	81 9	81 0	78 2	81 2	83 4	84 1	84 2	83 3	82 3
1922.....	82 5	84 6	85.9	85.8	87.9	89 8	88.2	91.4	94 5	97 0	99 0	100 5	90 6
1923.....	100 7	102.5	104.6	105 0	105 3	106.0	104 9	105 2	105 7	104 5	103 2	101.4	104.1
1924.....	100.2	101.5	101.7	99.9	96 8	93 8	91.0	92 1	94 4	95 3	94 8	96 1	96 5
1925.....	96 3	98 1	98.8	98 7	98.1	98.0	97.8	99 5	101 5	102 2	101 8	101 5	99 4
1926.....	100 5	101.5	102.1	101.4	100 4	100.3	99 4	101 4	103 4	103 1	101 4	100 0	101.2
1927.....	98 2	99.7	100.2	99 6	99 1	99 1	98 1	99 3	100 5	99 6	97 4	96 1	98 9
1928.....	95 0	96 5	97.6	97 1	97.0	97.8	97.7	100 1	102 2	102 6	101 7	101 2	98 9
1929.....	100 8	102.9	104.1	105 3	105 3	105 6	106 1	107 9	109 0	107 7	103 6	99.8	104 8
1930.....	97 3	97.4	96.9	96 3	94 8	92 9	89 5	88 8	89 6	87 7	84 6	82 3	91 5
1931.....	79 6	80.3	80.7	80 7	80 1	78.4	77.0	77 1	77 4	74 7	71.8	71 0	77 4
1932.....	68 7	69.5	68.4	66 1	63.4	61.2	58 9	60 1	63 3	64 4	63 4	62 1	64 1
1933.....	60.2	61.1	58.8	59.9	62.6	66.9	71 5	76.4	80.0	79.6	76.2	74.4	69 0
PAY ROLLS													
1919.....	95.3	89.6	90.0	89 2	90 0	92 0	94.8	99.9	104 7	102 2	106 7	114.0	97.4
1920.....	117.2	115.5	123.7	120.9	122 4	124.2	119 3	121 6	119 8	115 8	107.0	98 0	117.1
1921.....	82 8	81.3	81.7	79 0	77.3	75.4	71 7	73 9	73.4	72 6	71 7	73 3	76.2
1922.....	69 6	72.4	74.9	73.8	77.2	80.5	78 5	83.0	87 0	89 5	93 4	95.7	81 3
1923.....	94 6	97.9	102.5	103 8	107.3	107.5	103 3	103.8	104 3	106 6	104 5	102 9	103 3
1924.....	98 8	104.1	104.1	101.8	97 5	92 4	85 7	89.3	92.5	95 1	93 7	97.6	96 1
1925.....	95 4	100.8	102.4	100.0	100 7	98.7	96 8	99.3	98 8	104 6	104 6	105 2	100 6
1926.....	100 9	105.0	106.5	104.4	103 1	103.3	99 0	103 4	104 4	107 6	104 1	103.5	103 8
1927.....	98 4	104.4	105.7	104.5	104 0	102.4	98 5	101 9	101 4	102 1	98 5	99 5	101 8
1928.....	96 0	101 2	102.5	100.5	101 3	101.7	99 0	103 3	104.7	108 2	105 0	105 6	102 4
1929.....	102 3	109 3	111.6	112.6	112 9	111.2	107 2	112.0	112 9	112.4	104.1	100 7	109 1
1930.....	95 9	98.8	98.8	97 7	95 4	92 3	84 3	83 3	84.1	82.2	76 8	75.2	88 7
1931.....	70 0	74.3	75 6	74.4	73 4	69.7	66 2	65 9	63 4	61 3	58 1	57 6	67 5
1932.....	53.5	54 6	53.1	49.5	46 8	43.4	39.8	40 6	42 9	44 7	42 9	41 5	46 1
1933.....	39.5	40.2	37.1	38 8	42 7	47.2	50 8	56.8	59.1	59 4	55 5	54 5	48 5

Source Bureau of Labor Statistics, Department of Labor

No. 336.—INDEXES OF EMPLOYMENT IN MANUFACTURING INDUSTRIES: ADJUSTED FOR SEASONAL VARIATIONS

NOTE.—Monthly average, 1923-1925=100. Indexes are based upon the data shown in Table 335. For a description of the methods of adjustment see the Federal Reserve Board Bulletin for June 1934, p. 324.

Year	Jan.	Feb.	Mar.	Apr	May	June	July	Aug.	Sept	Oct	Nov.	Dec.
1919.....	107.5	103.2	102.1	102 5	103.4	104 4	107.1	108 4	109 4	109.2	111 7	114.5
1920.....	117.2	115.0	115.7	114.4	112.3	111 2	108.6	107 4	105 2	101 9	96 4	89 6
1921.....	82 4	83.3	82 9	82 1	82 1	81.4	80 3	80 6	81 9	82 6	83 4	83 3
1922.....	84 0	85.3	85.8	86 1	88.2	90 1	88 8	90 7	92 8	95 6	98 3	100 6
1923.....	102.6	103.1	104.1	104 7	105 4	106 4	105 9	105 1	104.0	103 4	103 2	102 0
1924.....	101.8	101.8	101.1	99 6	96 9	94 3	92 0	92 1	92.9	94 0	94 7	96 6
1925.....	97 8	98 4	98 4	98 5	98 3	98 6	99 0	99 3	99 6	100 7	101 7	102 2
1926.....	102 3	101.9	101.7	101 1	100 7	100 9	100.5	101 1	101 4	101 5	101 3	100 8
1927.....	100 0	100.2	99 9	99 5	99 4	99.5	99 2	98 9	98 4	97 8	97 4	97 0
1928.....	96 8	97 1	97 3	97 0	97 3	98 1	98 4	99 4	99 9	100 7	101 8	102 3
1929.....	103.1	103.6	104 0	105 1	105 4	105 9	107 0	107 2	106 3	105 5	103 6	101 0
1930.....	99.4	98.1	96 8	96 1	94 9	93 2	90 3	88 2	87 0	85 8	84 7	83 3
1931.....	81.7	81 1	81 0	80 6	80 3	78 8	78 0	76 8	75.2	72 9	71 6	71 5
1932.....	70 2	70.1	68 4	66 1	63 7	61 6	59 6	60 0	61.8	63 0	63 2	62 4
1933.....	61.4	61.7	58 9	59 9	62 9	67 4	72 5	76 4	78 0	77 8	75.9	75 0

Source. Federal Reserve Board.

NOTE—Monthly average, 1923-1925=100. See headnote, Table 335

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No. 337.—INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING ESTABLISHMENTS. BY GROUPS OF INDUSTRIES—Continued

Year and month	Em- ploy- ment		Pay rolls		Em- ploy- ment		Pay rolls		Em- ploy- ment		Pay rolls		Em- ploy- ment		Pay rolls		Em- ploy- ment		Pay rolls	
	Stone, clay, and glass products		Iron and steel and their prod- ucts		Nonferrous metal and products		Machin- ery		Transporta- tion equip- ment		Railroad repair shops		Tobacco manu- factures							
1932																				
July.....	41.7	25.4	49.4	23.4	50.2	30.8	52.3	30.6	58.8	43.1	50.7	37.3	62.8	47.3						
August.....	42.1	26.0	48.7	23.5	52.9	32.2	50.1	29.0	52.4	33.7	48.2	36.0	62.7	45.6						
September.....	43.3	26.5	49.8	24.8	55.3	35.7	50.4	29.7	46.7	25.1	50.0	36.5	64.3	46.9						
October.....	44.5	26.0	51.1	27.2	56.9	39.1	51.0	30.6	41.1	26.6	52.3	39.5	66.0	48.4						
November.....	43.5	26.4	51.1	26.4	57.6	38.3	51.1	30.2	43.9	29.5	54.0	42.8	66.8	48.2						
December.....	40.5	24.3	49.3	24.6	55.9	35.6	50.6	30.3	47.5	33.2	53.3	42.6	63.3	46.4						
1933																				
January.....	35.2	20.7	46.8	22.8	52.2	31.5	48.1	28.2	51.4	35.8	51.7	39.2	55.7	35.7						
February.....	36.5	21.4	49.0	23.8	53.2	32.0	48.7	28.7	50.3	32.1	50.8	39.2	58.6	37.1						
March.....	36.9	21.2	46.8	22.7	50.8	29.1	47.1	28.2	45.2	27.8	50.6	38.1	53.3	33.4						
April.....	38.4	21.6	48.1	24.6	51.9	30.5	47.7	26.8	45.3	31.9	48.1	36.2	52.0	33.4						
May.....	41.3	24.5	51.0	29.8	54.1	35.3	50.1	30.6	48.8	38.7	49.7	38.9	59.2	42.1						
June.....	45.0	28.6	55.7	36.2	58.4	40.0	54.2	35.6	51.7	40.6	48.4	38.1	61.2	43.7						
July.....	49.3	29.9	61.8	41.4	61.7	43.1	58.1	39.1	53.3	43.5	51.7	40.0	60.3	43.6						
August.....	52.8	33.9	68.4	50.0	69.2	48.3	64.5	43.5	61.6	49.7	54.2	45.9	62.2	44.5						
September.....	52.9	33.5	71.4	47.5	74.3	51.6	69.8	46.6	64.3	48.2	55.1	45.3	61.7	48.2						
October.....	51.6	33.6	69.8	47.6	75.6	53.8	73.0	50.2	59.1	43.3	55.0	48.9	64.6	51.2						
November.....	50.3	31.8	67.9	43.3	72.6	52.4	73.3	50.2	53.5	38.6	54.8	46.1	66.0	50.1						
December.....	49.0	31.0	66.6	43.7	69.8	50.2	71.8	49.1	61.1	43.7	53.5	44.7	62.1	46.5						

Source Bureau of Labor Statistics, Department of Labor

No. 338.—INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING ESTABLISHMENTS: BY INDUSTRY GROUPS AND INDUSTRIES

NOTE.—Monthly average, 1923-1925=100. Indexes for some of the groups include industries that are not shown separately in this table. See headnote, Table 335.

Industry group and industry	Employment					Pay rolls				
	1929	1930	1931	1932	1933	1929	1930	1931	1932	1933
Food and kindred products.....	112.8	109.4	97.4	86.4	94.4	113.9	108.9	93.0	74.2	76.2
Baking.....	123.6	121.5	112.6	101.2	101.2	125.3	123.7	109.0	88.6	82.7
Beverages.....	101.3	(1)	85.5	74.0	107.9	106.1	(1)	83.1	64.3	118.0
Butter.....	100.3	(1)	82.0	75.3	76.1	102.5	(1)	79.1	65.7	58.7
Confectionery.....	101.7	92.1	82.0	74.2	79.7	103.7	93.3	77.5	59.9	59.5
Flour.....	80.6	73.9	68.1	65.1	67.7	85.7	78.7	66.7	55.9	53.9
Ice cream.....	96.0	89.0	76.0	64.5	62.9	102.7	93.0	76.9	56.4	48.6
Slaughtering and meat pack- ing.....	96.7	92.1	84.1	79.8	87.6	101.5	96.3	82.2	65.2	67.7
Sugar refining, cane.....	94.3	92.3	80.3	74.2	78.6	91.4	89.7	79.6	68.7	67.0
Textiles and their products.....	104.8	92.9	87.2	76.7	87.9	105.2	85.6	75.1	53.5	61.2
Fabrics.....	99.2	86.0	80.3	71.9	86.2	99.4	79.4	70.2	50.9	62.2
Carpets and rugs.....	96.2	74.2	67.5	52.0	60.6	90.1	59.7	54.3	32.2	42.6
Cotton goods.....	96.1	80.7	74.5	67.8	87.5	90.1	69.4	61.0	44.6	62.1
Dyeing and finishing tex- tiles.....	121.8	112.0	103.3	89.3	94.8	124.8	108.7	101.2	72.3	73.6
Knit goods.....	112.5	102.9	96.0	94.1	102.2	129.8	108.6	92.2	75.5	81.4
Silk and rayon goods.....	103.8	95.1	86.9	68.7	75.5	105.6	87.2	74.8	46.4	51.8
Woolen and worsted goods.....	82.6	67.2	67.1	59.5	78.2	80.1	60.5	57.3	41.3	54.5
Wearing apparel.....	113.3	105.0	99.6	84.3	88.2	111.0	93.6	80.7	55.5	55.7
Clothing, men's.....	103.2	91.4	84.9	74.4	80.3	95.8	74.7	62.8	42.3	47.3
Clothing, women's.....	146.8	142.2	135.8	110.4	110.0	142.6	127.9	110.5	73.9	68.0
Millinery.....	101.3	91.3	83.7	76.3	75.9	104.0	88.6	79.2	65.2	57.9
Shirts and collars.....	109.1	102.7	104.0	90.5	99.0	109.2	93.3	82.7	61.0	72.1
Lumber and allied products.....	95.4	78.1	58.3	41.1	44.2	97.4	72.6	46.6	25.1	26.4
Furniture.....	111.9	89.0	73.7	57.8	61.7	114.0	80.7	59.2	34.8	36.3
Lumber, millwork.....	84.6	64.4	51.1	35.6	34.5	83.5	61.1	42.0	21.7	19.5
Lumber, sawmills.....	87.7	67.6	41.1	26.1	28.7	90.7	67.6	33.6	14.2	16.0
Paper and printing.....	111.3	108.0	96.3	85.0	86.2	119.5	114.6	97.3	74.8	69.3
Boxes, paper.....	97.9	90.7	81.8	70.5	77.0	102.9	91.6	79.0	60.1	62.7
Paper and pulp.....	106.1	102.5	89.5	82.4	90.3	112.5	104.6	82.1	61.7	64.9
Printing and publishing.....										
Book and job.....	113.1	110.9	100.7	85.8	79.4	118.7	115.6	99.1	73.4	62.5
Newspapers and periodicals.....	111.0	109.9	101.8	92.8	93.3	121.8	119.4	108.0	88.6	80.0

1 Data not available.

No. 338.—INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING ESTABLISHMENTS BY INDUSTRY GROUPS AND INDUSTRIES—Continued

Industry group and industry	Employment					Pay rolls				
	1929	1930	1931	1932	1933	1929	1930	1931	1932	1933
Chemicals and allied products.	115.6	109.5	95.1	84.0	94.7	121.0	112.2	91.8	70.4	74.3
Chemicals.....	109.2	99.5	85.1	72.9	87.2	120.0	103.5	84.2	63.0	71.9
Druggists' preparations.....	116.4	106.2	103.2	90.3	90.7	124.4	116.3	105.3	82.4	81.0
Explosives.....	95.3	79.7	80.4	66.4	76.3	102.0	74.7	60.9	45.3	52.3
Fertilizers.....	113.4	111.0	78.8	62.4	82.5	108.3	104.2	73.4	49.6	55.8
Paints and varnishes.....	122.3	(¹)	94.4	82.2	85.7	129.6	(¹)	90.3	66.8	64.3
Petroleum refining.....	124.4	124.9	106.2	96.1	99.8	129.2	130.4	105.8	85.4	83.1
Rayon and allied products.....	244.4	242.2	241.9	217.0	281.9	220.2	214.1	188.4	140.4	178.8
Rubber products.	111.0	85.9	73.9	65.4	73.9	115.1	84.7	62.5	44.9	50.2
Boots and shoes.....	102.1	82.0	63.2	52.5	50.9	105.6	77.4	48.6	37.7	42.5
Rubber goods other than boots, shoes, tires, etc.....	120.3	(¹)	102.3	94.1	112.2	126.4	(¹)	89.9	70.0	79.5
Tires and inner tubes.....	110.0	79.0	64.9	57.1	64.7	113.2	79.3	56.2	37.7	41.7
Leather and its manufactures.	98.5	91.2	84.3	79.0	83.8	99.0	82.3	72.1	58.1	62.9
Boots and shoes.....	96.7	90.2	85.3	81.7	83.9	95.6	78.3	70.2	58.5	61.5
Leather.....	91.1	84.6	76.9	69.1	81.3	92.8	83.0	72.5	56.0	60.8
Stone, clay, and glass products.	93.8	80.2	63.7	44.6	45.0	93.7	76.9	53.9	29.1	27.6
Brick, tile, and terra cotta.....	91.5	72.2	50.2	29.6	27.0	84.7	62.2	35.2	14.0	12.0
Cement.....	90.3	84.6	65.8	44.9	41.1	92.9	83.4	56.9	27.7	22.2
Glass.....	96.7	83.8	71.5	58.9	69.8	100.9	82.9	66.5	45.9	52.9
Pottery.....	94.7	82.9	72.3	57.0	60.2	91.4	74.1	56.4	35.1	35.8
Iron and steel and their products, not incl. machinery.	102.6	89.2	69.7	53.3	58.6	107.8	85.7	55.0	29.1	36.2
Cast-iron pipe.....	87.8	80.4	71.5	45.5	39.2	85.2	75.3	55.1	24.2	19.7
Hardware.....	101.7	88.6	70.3	55.1	55.8	106.9	81.6	58.9	35.5	36.1
Blast furnaces and steel works.	103.2	90.3	68.4	51.5	58.5	109.6	87.7	53.6	24.8	35.4
Steam and hot-water heating apparatus and steam fittings.....	91.6	78.3	67.1	46.5	49.5	92.4	69.0	46.3	24.7	26.4
Stoves.....	99.3	83.1	69.4	57.3	68.7	98.8	74.3	53.4	35.0	43.9
Structural and ornamental metal work.....	111.2	98.9	76.0	50.8	46.1	112.8	94.2	61.5	31.1	26.3
Tin cans and other tinware.....	104.3	(¹)	83.7	73.8	78.7	113.6	(¹)	83.3	67.3	70.6
Wrework.....	124.2	(¹)	95.6	90.3	103.3	129.3	(¹)	80.6	61.9	75.7
Nonferrous metals and their products.	111.4	(¹)	74.0	58.1	62.0	116.4	(¹)	63.1	39.1	41.5
Aluminum manufactures.....	138.4	(¹)	90.2	64.3	71.8	150.0	(¹)	81.3	42.1	50.9
Brass, bronze, and copper products.....	121.5	96.6	74.9	57.8	64.1	128.3	88.7	60.3	35.8	41.3
Lighting equipment.....	104.2	(¹)	65.3	49.5	51.4	110.6	(¹)	60.4	38.8	38.7
Smelting and refining copper, lead, and zinc.....	91.3	(¹)	54.4	45.3	50.7	99.4	(¹)	45.9	27.3	29.2
Stamped and enameled ware.....	120.5	106.3	85.4	69.8	76.5	125.6	104.9	76.8	49.0	52.3
Machinery, not including transportation equipment.	125.9	104.6	78.3	56.3	58.9	134.2	102.2	63.9	36.1	37.9
Agricultural implements.....	147.9	110.7	62.3	39.2	44.5	160.0	106.9	51.9	32.4	37.7
Electrical machinery, apparatus, and supplies.....	127.3	107.1	80.9	56.8	51.3	134.4	109.3	68.7	37.1	33.6
Engines, turbines, tractors, and water-wheels.....	125.3	106.1	68.1	42.4	44.8	138.9	107.2	54.0	24.0	25.7
Foundry and machine-shop products.....	111.3	94.2	69.7	50.4	52.6	117.9	89.0	55.4	31.1	32.8
Machine tools.....	167.2	126.0	74.7	40.5	41.7	187.6	121.9	61.5	27.5	28.7
Radio and phonographs.....	204.5	141.0	124.4	100.0	151.4	202.9	139.8	96.5	62.7	85.4
Textile machinery and parts.....	88.1	71.2	61.3	48.7	61.1	96.7	66.0	54.3	35.4	47.0
Transportation equipment.	103.5	80.2	68.3	56.0	54.2	105.4	70.2	52.3	40.7	39.5
Automobiles.....	111.3	80.3	71.0	60.8	59.8	111.6	65.7	53.4	42.3	42.8
Cars, electric and steam railroad.....	63.1	54.7	29.6	26.3	25.4	63.1	53.2	25.4	23.5	20.5
Locomotives.....	56.8	52.3	28.0	19.4	15.6	58.3	51.5	18.1	8.9	5.8
Shipbuilding.....	101.3	107.3	83.0	66.0	55.4	109.7	113.5	76.8	52.5	38.9
Railroad repair shops.	82.6	73.4	64.1	53.4	52.0	90.4	76.1	61.7	42.7	41.7
Electric railroad.....	87.8	85.8	79.3	71.7	66.3	97.2	93.0	80.2	64.3	55.1
Steam railroad.....	82.2	72.4	62.9	52.0	50.9	89.8	74.8	60.4	41.2	40.8
Tobacco manufactures.	83.9	78.3	72.1	64.0	59.7	81.8	72.7	60.1	47.3	42.5
Chewing and smoking tobacco and snuff.....	68.0	69.8	71.9	76.2	74.5	71.3	71.3	69.0	66.0	63.1
Cigars and cigarettes.....	86.0	79.4	72.1	62.5	57.9	83.1	72.9	58.9	45.0	39.9

¹ Data not available.

Source Bureau of Labor Statistics, Department of Labor.

No. 339—INDEXES OF FACTORY EMPLOYMENT AND PAY ROLLS IN SPECIFIED STATES

[Index numbers for New Jersey and Pennsylvania, relative to monthly average of the years 1923-1925 as 100, for Massachusetts, New York, Illinois, and Wisconsin, monthly average of the years 1925-27]

Year and month	Employment					Pay rolls						
	Mas-sach-u-sets ¹	New York ²	New Jersey ³	Penn-sylva-nia ³	Ill-nois ⁴	Wis-con-sin ⁵	Mas-sach-u-sets ¹	New York ²	New Jersey ³	Penn-sylva-nia ³	Ill-nois ⁴	Wis-con-sin ⁵
1923	-----	111 9	104 4	106 6	112 5	102 1	-----	105 6	102 2	106.7	107 4	95 8
1924	-----	102 0	96 6	95 9	103 1	97 3	-----	97 9	96 0	95.0	95 3	93 0
1925	100 1	101 3	99 1	97 5	99 8	101 4	99 5	99 2	101 8	98 3	97 9	101 4
1926	102 0	101 4	101 7	99 4	103 1	101 7	101 8	102 0	108 1	102 7	104 2	102 2
1927	97 9	97 3	95 0	95 7	97 1	96 8	98 7	98 8	100 7	97 0	98 0	96 4
1928	91 6	93 4	90 9	92 7	95 3	96 2	92 9	95 4	94 6	93 1	95 2	98 1
1929	94 3	97 9	103 2	98 4	102 6	100 1	97 4	101 7	107 8	102.1	101 3	100 8
1930	81 5	86 0	95 1	89 0	88 4	87 8	78 6	85 6	96 3	85.0	77 6	80 1
1931	73 5	73 4	81 4	74 8	71 0	75 1	65 3	67 1	75 1	60 4	53 8	60 1
1932	60 6	59 2	68 1	64 5	56 5	63 0	45 6	46 6	54 6	40.7	34 3	40 3
1933	65 7	61 5	70 3	67 5	59 6	69 7	48.7	46 5	53 3	43.8	35 6	44 7
1930												
March	86 5	91 4	97.5	95 8	96 9	94 5	86.6	94 4	101 7	97.3	88 4	94 0
June	82 1	86 7	92 5	90 3	91 2	89 0	79.4	86 7	94 1	86 1	80 7	83 0
September	79 9	84 6	96 8	85 3	82 9	83 1	76 9	84 5	97 2	78 5	70 1	72 3
December	74 4	77 5	90 4	80 1	77 5	77 5	68.7	73 7	87 1	70 0	62.2	63 9
1931												
March	77 0	77 8	84 8	78 5	76 6	78 2	71 9	75 1	80 7	68.7	61 7	68 8
June	74 9	73 4	81 1	74 3	72 3	76 7	66 2	66 7	75 1	60 9	55 5	64 2
September	75 0	73 6	80 6	73 1	68 3	75 0	65 0	66 5	69 6	54.9	49 4	55 6
December	65 6	67 7	75 1	71 3	63 6	66 9	53.7	57 8	65 7	52 6	44 3	48 8
1932												
January	65 2	65 0	72 9	69 2	61 6	65 1	52.6	54 6	63 4	49.3	42 8	44 1
February	68 3	65 0	73 9	69 5	62 0	67 6	55 8	53 9	63 4	48.9	41 6	48 1
March	67 0	64 6	72 2	68 3	61 3	68 1	54.4	53 8	60 7	47 6	39 8	48 5
April	61 1	62 2	70 0	65 6	58 8	66 2	47.5	50 1	57 1	43 2	36 9	44 6
May	56 8	57 6	68.8	62 9	57 2	63 9	42 2	44 9	55 8	39 3	34 9	41 3
June	53 9	55.6	67.8	61 5	56 6	62 4	39 3	42 6	54 1	37 3	33 5	38 0
July	50 4	52 4	64 9	58 7	52 3	62 4	35 8	39 4	50 1	33.2	28 9	34 2
August	56 6	54 4	63 4	59 6	53 5	60 2	40.8	41 2	48 0	34 8	31 0	35 3
September	62 2	57.8	66 0	63 6	54 5	61 1	46.2	44 9	51 4	37 6	31 8	37 0
October	64 7	59 5	66 2	65 6	54 4	60 5	47.3	46 4	52 0	40 6	32 1	39 3
November	61 4	58 9	65 5	65 2	53 5	60 1	43.5	44 2	49 6	39 1	29 7	38 2
December	59 1	57 1	65 2	63 3	51 7	58 8	41.8	42 6	49 6	37.4	29 1	35 0
1933												
January	58 1	55 4	62.2	60 3	50 7	57 3	39.7	40 1	46 2	33 7	28 5	32 5
February	60 3	56 3	63.2	61 7	52 1	58 8	42 3	40 7	47 5	34 8	29 6	34 0
March	56 2	53 7	60.9	58 7	50 8	58 6	37 2	38 4	43 5	32 5	27 2	32 6
April	56 4	55 3	60 8	59 0	51 7	60 8	38 0	40 1	45 2	33 4	28 2	36 4
May	58 5	57 1	63 7	62 1	53 6	63 3	42 2	42 4	48 1	37 8	31 3	40 6
June	62 9	59 5	67.3	65 6	57 2	69 5	47 0	45 1	52 1	42 5	35 4	46 8
July	69 0	62 2	70 4	68 4	60 9	75 9	53.0	48 0	54 4	45.7	37 9	49 2
August	73 2	65 7	74 9	73 2	67 9	77 5	57 3	51 0	57 5	53.2	42 6	53 3
September	75 1	69 6	79 5	76 3	69 7	79 7	59.4	55 0	60 0	53 6	43 0	53 8
October	76 5	69 6	80 5	76 6	68 9	80 0	59.4	54 1	61 6	55.3	43 0	55 3
November	72 0	67 4	80 5	75 3	66 2	78 3	55.7	51 8	62 0	52 4	40 3	52 3
December	69 1	66 2	79 8	72 5	65 4	76.5	52 8	51 3	61 2	50.6	40 5	50 1

¹ Compiled by the Massachusetts Department of Labor and Industries, based upon monthly returns from between 1,000 and 1,100 representative establishments, employing about 40 percent of the total factory employees in the State. The employment indexes are adjusted to the annual State census of manufactures each year when the census material becomes available. The State census schedules do not call for monthly pay roll.

² Compiled by the New York State Department of Labor from reports of approximately 1,500 firms prior to January 1930, 1,850 in 1930, and by the end of 1933, 1,700, representing about 38 percent of the total factory employment in the State.

³ Compiled by the Federal Reserve Bank of Philadelphia. For New Jersey they are based upon monthly reports to the bank from 1923 to 1926 and since then to the New Jersey Bureau of Statistics and Records. Current indexes represent reports from about 766 manufacturers covering 56 industries which in 1929 employed about 255,000 wage earners and accounted for approximately 60 percent of the total factory employment and pay rolls. For Pennsylvania, they are based upon original reports collected by the bank in cooperation with the United States Bureau of Labor Statistics. Current indexes represent reports from about 1,750 manufacturers covering 68 industries which in 1929 employed approximately 575,000 wage earners, and accounted for about 61 percent of the total factory employment and pay rolls. The indexes for both States have been adjusted to the Federal Biennial Census of Manufactures data through 1929 and will be similarly adjusted for later years as soon as detailed data become available; they have been weighted according to the relative importance of each industry as revealed by the Federal Census of Manufactures.

⁴ Compiled by the Illinois Department of Labor. The indexes are computed by the link relative method, an average of 1,079 establishments reported for the year 1933.

⁵ Compiled by the Industrial Commission of Wisconsin, from reports of about 850 manufacturing establishments.

Sources. See footnotes.

No. 340.—WEEKLY EARNINGS OF FACTORY LABOR IN SPECIFIED STATES

[Index numbers for New Jersey, Pennsylvania, and Delaware, relative to monthly average of the years 1923-25 as 100, for New York, Illinois, Wisconsin, and Massachusetts, monthly average of the years 1925-27. Data for Delaware compiled by the Federal Reserve Bank of Philadelphia from reports of 56 manufacturing concerns representing 24 industries which in 1929 employed over 11,000 wage earners, and accounted for approximately 50 percent of the total factory wage earners and pay rolls, for original sources of other data, number of firms reporting, etc., in each State, see notes 1 to 5, Table 339]

Year and month	Average amount per week				Index numbers					
	New York	Illinois	Wisconsin	Massachusetts	New York	New Jersey	Pennsylvania	Delaware	Illinois	Wisconsin
1923.....	\$27 24	\$27 07	\$23 97	-----	94 4	99 8	101 8	99 8	95 4	93 8
1924.....	27 68	27 55	24 40	-----	95 9	99 5	98 6	100 8	97 1	95 4
1925.....	28 26	27 93	25 56	99 4	97 9	100 7	99 6	99 4	98 4	100 0
1926.....	29 02	28 67	25 67	99 8	100 5	105 9	102 5	101 8	101 0	100 4
1927.....	29 30	28 49	25 45	100 8	101 5	109 0	102 6	103 1	100 5	99 6
1928.....	29 44	28 43	26 04	101 4	102 0	109 8	103 1	102 6	100 2	101 9
1929.....	29 99	28 66	25 90	103 3	103 9	113 0	106 9	106 7	101 0	100 6
1930.....	28 81	27 16	23 33	96 4	99 5	111 3	98 1	103 2	95 7	90 3
1931.....	26 42	23 59	20 02	88 3	91 2	101 7	81 1	93 9	83 2	78 4
1932.....	22 74	18 67	15 30	75 0	78 5	83 4	63 0	75 9	65 8	60 2
1933.....	21 84	18 20	15 31	73 1	75 4	83 5	65 6	72 6	64 1	60 1
1932										
March.....	24 13	20 08	17 47	81 2	83 3	92 7	69 4	82 9	70 8	68 7
June.....	22 19	18 33	14 64	72 9	76 6	88 2	60 2	74 7	64 6	57 6
September.....	22 60	17 94	14 10	74 2	77 7	86 1	59 9	72 9	63 2	55 6
December.....	21 63	17 16	14 13	70 8	74 7	84 1	59 1	73 7	60 5	55 7
1933										
March.....	20 73	16 29	13 24	66 2	71 6	78 9	55 7	68 3	57 4	52 1
June.....	21 95	18 99	15 84	74 7	75 8	85 4	66 9	74 7	66 9	62 2
September.....	22 87	18 91	16 51	79 0	79 0	83 3	72 2	72 4	66 6	64 8
December.....	22 43	18 93	16 16	71 2	77 4	84 7	71 5	75 1	66 7	63 3

Sources. See headnote.

No. 341.—AVERAGE WEEKLY AND HOURLY EARNINGS: ALL WAGE EARNERS AND CLASSIFIED GROUPS OF LABOR, 25 MANUFACTURING INDUSTRIES

NOTE.—Index numbers based on 1923 as 100. Data cover an average of 1,600 plants during 1933. The earnings are computed by weighting the average earnings in each industry according to the relative importance of the industry as revealed by the Federal Biennial Census of Manufactures for 1923. In addition, each labor group is weighted according to the relative proportion of the group in each industry as revealed in the Conference Board's studies during the 3-year period 1927-29. The pay-roll data are based upon the first full week in each month, or, if a generally recognized holiday falls in that week, upon the succeeding week.

Year	All wage earners		Male, unskilled		Male, skilled and semiskilled		Female	
	Actual amount	Index number	Actual amount	Index number	Actual amount	Index number	Actual amount	Index number
WEEKLY EARNINGS								
1923.....	\$26 61	100 0	\$22 28	100 0	\$30 80	100 0	\$17 24	100 0
1924.....	26 43	99 3	22 42	100 7	30 55	99 2	16 76	97 2
1925.....	27 09	101 8	23 03	103 4	31 28	101 5	17 21	99 9
1926.....	27 40	103 0	23 18	104 0	31 60	102 6	17 29	100 3
1927.....	27 49	103 3	23 52	105 6	31 58	102 5	17 42	101 0
1928.....	27 80	104 5	23 87	107 1	31 94	103 7	17 18	99 8
1929.....	28 54	107 3	24 37	109 4	32 63	105 9	17 62	102 2
1930.....	28 90	97 4	21 94	98 5	26 18	94 7	15 99	92 7
1931.....	22 60	84 9	19 19	86 1	25 00	81 1	14 71	85 3
1932.....	17 10	64 3	14 54	65 2	19 52	63 4	11 72	68 0
1933.....	17 71	66 6	14 91	66 9	20 26	65 8	12 36	71 7
HOURLY EARNINGS								
1923.....	.541	100 0	.443	100 0	.619	100 0	.383	100 0
1924.....	.562	103 9	.459	103 6	.644	104 0	.393	102 7
1925.....	.561	103 8	.458	103 4	.643	103 9	.390	101 8
1926.....	.568	104 9	.460	103 9	.651	105 2	.397	103 6
1927.....	.576	106 4	.471	106 4	.657	106 2	.399	104 2
1928.....	.578	106 9	.473	106 9	.658	106 4	.395	103 2
1929.....	.589	108 9	.485	109 6	.667	107 8	.398	103 9
1930.....	.589	108 9	.478	107 8	.662	107 0	.395	103 1
1931.....	.564	104 3	.461	104 0	.634	102 5	.371	96 7
1932.....	.497	91 9	.401	90 5	.560	90 5	.325	84 9
1933.....	.491	90 7	.401	90 5	.550	88 9	.340	88 7

Source National Industrial Conference Board (Inc.).

No. 342.—INDEXES OF EMPLOYMENT AND PAY ROLLS IN NONMANUFACTURING INDUSTRIES AND BUSINESS

[Monthly average 1929=100]

Year and month	Em- ploy- ment	Pay rolls	Em- ploy- ment	Pay rolls	Em- ploy- ment	Pay rolls	Em- ploy- ment	Pay rolls	Em- ploy- ment	Pay rolls	Em- ploy- ment	Pay rolls	Em- ploy- ment	Pay rolls	Em- ploy- ment	Pay rolls
	Anthracite mining		Bitumi- nous coal mining		Metallic- ferrous mining		Quarrying and non-me- talic mining		Crude pe- troleum producing		Telephone and tele- graph				Power and light	
1930.....	93 4	95 3	93 4	81 3	83 2	78 0	84 3	79 3	87 4	85 9	97 9	102 9	103 0	104 3		
1931.....	80.5	75 4	83.2	57 5	59 1	44 8	67 4	53 4	65 7	61 7	86 6	93 7	95 6	96 7		
1932.....	62 5	53 7	67 4	35 6	36 5	21 6	49 0	29 1	55 3	44 1	79 1	81 1	83 0	79.8		
1933.....	51.7	45 8	67 9	37.8	34 6	20 6	44 9	24 7	62 2	44 1	70 4	68 2	78 8	72 0		
1932																
January.....	76 2	61 5	80 8	47 0	49 3	29 7	48 9	30 2	54 9	46 5	83 0	89 1	89 3	88 4		
February.....	71 2	57 3	77 4	47 0	46 9	27 8	47 4	29 6	54 4	46 9	82 0	89 6	87 2	86 0		
March.....	73 7	61 2	75 2	46 8	45 0	26 5	46 0	28 7	51 4	43 2	81 7	88 2	85 5	85 4		
April.....	70 1	72 0	65 5	33 9	43 3	25 0	48 6	30 0	54 9	44 5	81 2	83 4	84 8	82 4		
May.....	66 9	58 0	62 6	30 7	38 3	23 8	50 6	32 3	54 5	47 1	80 6	82 8	84 0	84 2		
June.....	53 0	37 4	60 5	27 3	32 2	20 1	49 5	30 0	54 2	44 8	79 9	82 1	83 2	80 5		
July.....	44 5	34 5	58 6	24 4	29 5	16 9	49 5	29 1	55 4	44 6	79 1	79 6	82 3	78 7		
August.....	48 2	41 4	59 4	26 4	28 6	16 5	51 1	29 7	57 4	42 9	78 1	79 1	81 5	76 7		
September.....	55 8	47 0	62 4	30 2	29 3	17 0	52 4	30 5	56 2	41 9	77 4	75 9	81 0	74 7		
October.....	63 9	66 7	67 0	37 8	30 5	18 0	52 4	30 1	56 8	42 5	76 2	73 7	79 9	74 4		
November.....	62 7	51 0	69 4	38 0	31 9	18 7	49 4	27 1	56 5	42 4	75 5	74 8	79 1	73 2		
December.....	62 3	56 2	70 0	37 7	33 3	18 7	42 3	22 1	57 2	41 7	74 8	73 5	78 4	73 2		
1933																
January.....	52 5	43 2	69 8	36 1	32 4	18 1	35 1	18 1	57 2	39 9	74 6	71 7	77 7	73 0		
February.....	58 7	56 8	69 3	37 2	31 5	17 8	34 8	17 4	41 7	73 9	73 9	71 9	77 4	71 6		
March.....	54 6	48 3	67 6	37 7	30 4	17 4	35 1	17 8	56 5	42 5	73 2	71 6	76 9	71 9		
April.....	51 6	37 4	63 7	28 6	29 4	16 4	39 3	20 2	56 8	40 1	72 3	67 8	76 9	69 4		
May.....	43 2	30 0	61 2	26 9	30 0	17 0	43 4	23 8	56 9	41 6	70 1	68 5	76 9	69 9		
June.....	39 5	34 3	61 3	29 2	31 5	18 3	47 3	27 5	58 0	40 6	69 2	66 6	77 3	69 9		
July.....	43 8	38 2	63 2	33 6	33 0	19 0	49 5	28 4	59 5	42 2	68 5	66 7	77 5	70 0		
August.....	47 7	46 6	68 6	43 3	36 8	21 9	51 6	29 9	60 8	42 5	68 1	66 1	78 1	70 9		
September.....	56 8	60 7	71 8	44 1	38 9	23 9	52 6	29 3	66 2	44 4	68 3	64 6	80 3	71 8		
October.....	56 9	61 6	68 0	44 1	40 7	25 9	53.2	31 2	70.6	50 1	68 7	67 0	82 2	76 2		
November.....	61 0	47 8	74 8	50 7	40 6	25 6	51.1	28 3	72 2	50 3	68 9	67 7	82 6	74 5		
December.....	54 5	44 3	75 4	50 8	40 6	26 2	45 3	24 4	75 0	53 2	69 4	67 7	81 8	74 4		
			Electric railroad and motor-bus operation and main- tenance ¹		Wholesale trade	Retail trade	Hotels		Laundries ²		Dyeing and clean- ing ²				Banks, brokerage, insurance, and real estate	
1930.....	93 4	93.5	96 0	95 9	95 9	96 2	99 2	98 5	(³)	(³)	(³)	(³)	(³)	(³)		
1931.....	84 7	83 4	86 6	83 6	89 4	86 6	91 7	85 4	93 1	88 3	85 6	76 1	(³)	(³)		
1932.....	75 5	68 0	78 2	67 0	80 9	69 4	79 0	64 5	83.5	70 1	75 2	57 3	98 3	89 7		
1933.....	70 0	58.9	77.9	60 4	81.7	64 3	74 9	54 5	78.8	59 5	74 3	57 3	97 8	84 6		
1932																
January.....	79 5	75 4	81 8	74 1	84 3	78 0	83 2	73 9	88 2	80 0	75 8	62 4	98 3	93 5		
February.....	78 9	74 8	80 9	72 5	80 5	73 7	84 3	73 9	86 3	76 7	74 4	59 0	98 3	93 0		
March.....	77 6	73 6	79 8	71 3	81 4	73 4	84 0	72 4	85 4	75 0	74 4	58 5	98 9	92 9		
April.....	78.0	71 8	78 9	68 9	81.6	72 7	82 7	69 6	85 4	74 7	76 9	62 5	98.6	92 1		
May.....	76 9	72 2	77 9	69 7	80 9	71 1	80 1	67 0	84 8	73 9	78 0	63 8	98 0	92 7		
June.....	76 5	70 2	77 0	66 2	79 4	68 2	78 0	63 8	84 4	71 8	78 6	62 4	97.9	90 0		
July.....	75 6	66 4	76 6	64 7	74 6	63 3	78 4	61 8	83 6	69 4	76 1	56 9	98 4	89 8		
August.....	74 1	63 8	76 4	63 2	72 6	60 7	77 6	59 6	82 2	66 9	73 4	53 4	98.5	88 2		
September.....	73 5	61 5	77 1	63 1	77 8	64 6	77 0	59 1	81 9	65 8	76 7	57 9	98 4	87 1		
October.....	72 3	61 5	77 8	63 9	81 3	67 1	75 4	58 6	80 7	64 1	76 0	55 8	98 4	86 3		
November.....	71 8	61 7	77 6	63 3	81 7	66 9	74 3	57 5	79 4	61 9	72 0	49 6	98 0	85 7		
December.....	71 4	61.9	77 0	62 6	95 2	73 6	73 2	56 6	79 1	61 4	69.5	45 9	98.0	85 5		
1933																
January.....	70 6	60 9	75 3	61 7	76 9	62 7	73 8	55 7	78 6	60 7	67 4	44 2	97.5	85 2		
February.....	70 4	60 6	74 1	58 6	73 4	58 4	73 8	55 9	77 5	58 1	65 6	40 2	96.8	84 3		
March.....	69 8	59 3	73 1	57 1	71 4	55 1	72 4	53 5	76 1	55 4	65.8	38 9	96 5	83 7		
April.....	69 5	58 1	73 3	56 0	78 6	60 4	71 9	51 7	76 5	56 6	74 9	51 7	96 2	82 9		
May.....	69 1	58 2	74 0	57 4	77 0	59 5	71 9	51 8	76 6	57 1	75 7	51 0	96 2	83 2		
June.....	69 3	58 0	75 7	57 3	78 3	60 5	73 6	52 3	79 2	59 4	79 1	53 7	97 3	84 4		
July.....	69 4	57 4	76 9	59 1	74 6	58 1	75 6	53 3	79 5	58 7	76 6	50 0	97 7	84 8		
August.....	69 5	58 2	79 7	60 8	78 1	62 7	77 1	54 0	81 1	60 3	76 8	50 0	98 3	84 4		
September.....	69 7	57 8	82 1	62 3	86 0	69 2	78 7	55 6	82 6	63 5	81 9	57 1	99 0	84 5		
October.....	70 6	59 8	83 5	66 0	89 6	72 3	77 0	56 2	81 3	62 5	81.6	57.4	99 4	84 7		
November.....	71.0	59 4	83 4	64 1	91 6	72 6	75 8	55 2	78 4	60 7	76 1	52 5	99 6	86 1		
December.....	70 8	59 6	83 3	64 5	105 4	80 3	77.6	57 6	78 4	61 1	70.5	47 3	99 3	87 4		

¹ Not including electric-railroad-car building and repairing, see under manufacturing industries, p 307² Revised to conform with data on employment and pay rolls through 1931 published by Bureau of the Census³ Data are not available.

Source. Bureau of Labor Statistics, Department of Labor

No. 343.—INDEX NUMBERS OF UNION WAGE RATES AND HOURS OF LABOR

NOTE.—Index numbers subsequent to 1924 cover only the occupations listed in Table 345, for previous years they included also the metal and millwork trades. See also headnote, Table 344

[Rates and hours for 1913=100.]

Year	Rates of wages per hour	Hours per full-time week	Rates of wages per full-time week	Year	Rates of wages per hour	Hours per full-time week	Rates of wages per full-time week
1907.....	89 7	102 6	91 5	1921.....	205 3	93 9	193.3
1908.....	91 0	102 1	92 5	1922.....	193 1	94 4	183.0
1909.....	91.9	101 9	93 3	1923.....	210 6	94 3	198 6
1910.....	94 4	101 1	95 2	1924.....	228 1	93.9	214.3
1911.....	96 0	100 7	96 5	1925.....	237 9	93 0	222.3
1912.....	97 6	100 3	97 7	1926.....	250 3	92.8	233.4
1913.....	100.0	100 0	100 0	1927.....	259 5	92.4	240.8
1914.....	101.9	99 6	101 6	1928.....	260 6	91.9	210 6
1915.....	102 8	99 4	102 3	1929.....	262 1	91.5	240.7
1916.....	107 2	98 8	106 2	1930.....	272 1	89 8	243.8
1917.....	114 1	98 4	112 4	1931.....	273 0	89 2	242.9
1918.....	132.7	97 0	129 6	1932.....	241 8	87.7	212.2
1919.....	154 5	94 7	147 8	1933.....	231 2	88.0	203.0
1920.....	199.0	93 8	185 5				

Source: Bureau of Labor Statistics, Department of Labor.

No. 344.—INDEX NUMBERS OF UNION HOURS OF LABOR PER WEEK AND RATES OF WAGES PER HOUR, BY OCCUPATIONS

NOTE.—Data cover the principal cities of the United States. The relative hours are percentages showing the change in the regular full-time working hours per week, account not being taken of loss of time from slack work or other causes nor of overtime work. The relative wages are percentages which indicate the change in wages per hour. The figures are based on the scale prevailing May 15 each year. For absolute hourly wage rates for the same and other occupations, see Table 345

[Rates and hours for 1913=100]

Year	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
	Bakers		Building trades									
			Bricklayers, building		Building laborers		Carpenters, general		Carpenters Parquetry-floor layers		Cement finishers	
1910.....	109 1	85 8	100 6	96 7	100 0	94 5	100 7	95 1	---	---	102 1	94 2
1921.....	90 3	278 7	98 7	172 7	94 7	227 7	98 4	197 8	94 1	219 6	95 0	188.4
1923.....	90 2	276 0	98 6	191 1	94 7	218 1	98 8	204 0	93 6	222 0	95 0	191 2
1925.....	89 7	293 4	98 5	213 4	94 5	231 6	98 8	222 8	93 4	215 7	94 7	212 6
1926.....	90 5	277 2	98 5	226 4	94 7	254 9	98 8	238 4	94 1	253 1	94 7	226.9
1927.....	90 2	286 8	98 1	231 9	94 9	255 8	98 8	246 7	93 9	250 2	94.4	236.8
1928.....	89 6	285 9	98 0	233 9	94.8	257 0	98 2	247 5	93 3	236 1	93 8	234 6
1929.....	89 4	293 4	95 5	239 6	94.7	258 2	98 2	252 0	93 6	241 9	93 9	234 6
1930.....	89 4	289 2	93 3	245 1	92 8	275 3	95 1	261 6	87 7	259 5	90 3	256 4
1931.....	89 8	279.9	91 7	245 9	91 3	267 5	93 5	263 5	86 5	262 8	90 0	253 3
1932.....	90 2	285 0	88 6	211 9	89 0	228 3	91 1	219 4	87 1	208 3	88 4	213 8
1933.....	89 9	239.5	89 8	207 5	87 6	228 0	90 5	208 1	84.9	176 6	89 6	210 9
Building trades—Continued												
	Engineers, portable and hoisting		Hod carriers		Inside wire-men		Lathers		Marble set-ters		Painters, building	
1910.....	---	---	101 2	97 2	100 8	95 9	---	---	100 5	92 5	101 3	92 6
1921.....	96 3	178 2	98 0	237 8	96 2	201 9	98 1	192 1	99 2	160.6	94 7	212 8
1923.....	95 6	185 5	98 1	215 4	96 2	197 1	98 4	199 3	99 2	178.0	95 1	212 7
1925.....	95 9	205.7	97 9	251 5	96 2	232.4	97 9	234 5	99 2	190 0	95 3	243 1
1926.....	96 1	217.2	98 0	273 8	96 1	244 6	97 6	240 6	99 2	212 3	94 9	257 5
1927.....	97 7	224 2	98 0	280 4	96 2	254 9	97 2	250 3	99 1	217.0	94 5	266 2
1928.....	96 6	233.5	98 0	280 7	95 7	257 2	96 7	251 0	99 1	218.0	92 0	270 8
1929.....	96 9	232 5	92 7	293 0	93 4	268.2	96 2	249 0	99 1	233.4	91 8	270 2
1930.....	93 5	259 0	92 9	302 3	91 2	271.1	90 9	259 4	93 8	234.5	90 5	289 5
1931.....	92 3	261.4	92 1	297 3	90.3	275.1	90 2	262 6	92 2	235.5	89 7	292.4
1932.....	89 6	245.7	88 8	241 3	87 6	262.5	89 8	232 4	91 2	214.6	89 3	242 3
1933.....	89 7	214.8	89 8	206 1	87 8	241.1	89 5	219 6	91 1	209 5	89 0	245 3

No. 344.—INDEX NUMBERS OF UNION HOURS OF LABOR PER WEEK AND RATES OF WAGES PER HOUR, BY OCCUPATIONS—Continued

Year	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
Building trades—Continued												
	Plasterers		Plasterers' laborers		Plumbers and gas fitters		Sheet-metal workers		Steam and sprinkler fitters		Stonemasons	
1910.....	100 6	96 6	100 6	96 4	101.1	90 9	101.7	91 0	101 3	91 9	100 8	94 7
1921.....	97 5	180 5	98 3	219.1	97 8	181 1	97.1	202 3	97 0	171 3	99.2	193 0
1923.....	98 1	193 2	98 4	212 0	97 7	185 6	97 1	201 9	97 0	175 6	99 2	212 5
1925.....	97 9	219 8	98 1	243 1	97 7	206 6	97 1	229 3	97 0	212 2	98 9	229 5
1926.....	95 1	236 1	94 9	257 2	97 7	222 7	97 1	244 8	96 9	229 7	99 1	253 1
1927.....	94 7	241 0	94 9	259 7	97 6	227 2	96 8	252 2	96 8	236 2	98 9	256 0
1928.....	93 9	241 6	95 1	264 1	97 5	232 1	91 5	247 4	96 8	239 5	98 8	259 3
1929.....	93 0	238 6	95 0	265 0	96 7	233 8	96 4	256 9	96 3	241 0	95 9	266 5
1930.....	91 2	250 3	91 9	282 3	92 0	240 0	92 7	268 5	92 0	252 2	92 9	266 4
1931.....	90 6	253 0	92 0	274 3	90 9	244 2	91 2	273 2	91 2	254 5	91 1	269 0
1932.....	89 0	210 6	91 5	221 3	89 7	210 0	89 0	234 0	88 6	214 2	90 4	237 4
1933.....	90 1	201 3	90 1	203 7	90 3	209 7	88 7	227 5	88 1	211 3	90 1	224 3
Building trades—Contd												
	Structural- iron workers		Tile layers		Chauffeurs		Teamsters and drivers		Longshore- men		Granite cutters	
1910.....	101.7	92.7	98 3	161 9	87 5	202.5	88 2	223 0	76 6	236 8	101.8	93 7
1921.....	98 7	184.0	98 4	174 0	88 6	197.7	89 3	224 9	81 8	209 2	99.8	212 7
1923.....	98 8	178.4	98 4	202 3	87 7	223.5	88 2	254 3	77 5	239 9	100.2	216 8
1925.....	98 7	218.5	98 4	212 0	85 1	226.3	89 0	256 6	76.7	242 0	100 0	244 1
1926.....	98 7	235.5	98 3	221 9	83 8	242.1	88 3	269 1	75 7	236 7	100 2	242 6
1927.....	98 7	235 7	98 0	221 8	84 0	243.2	88 2	277 1	75 6	248.6	100 2	245 3
1928.....	98 2	236 0	97 8	224 2	82 7	244.2	87 5	279 8	75 7	250 1	99 9	249 8
1929.....	95 4	248.1	92 8	234 9	82 2	249.4	87 8	292 0	75 6	253 5	95 2	262 3
1930.....	94 1	251.6	91 5	237 2	81 8	253.9	89 9	287.8	76.0	251.5	94.2	262 5
1931.....	91.6	215 4	89 5	206 1	82 0	244.9	84 8	269 2	75 7	251.5	94 4	234.1
1932.....	91 2	212.8	90 2	204 5	81 6	228.7	85.7	249 3	75.5	242.5	92 6	228 5
Printing and publishing Book and job												
	Bookbinders		Compositors, hand		Electro- typers		Machine operators, timework		Press assist- ants and feeders		Pressmen, cylinder	
1910.....	100 3	95.1	100 1	94 1	100 8	91.5	100 3	93 9	100 2	92 4	100 0	95.4
1921.....	94 7	220 1	91 4	228 6	96 5	223.1	93 9	200 6	94 2	245.8	94.5	205.5
1923.....	93 4	224 0	91 4	228 6	95 9	241.6	92 2	203 8	92 5	266 2	93 0	216 7
1925.....	93 3	236 6	91 7	237 4	96 6	249.7	92 2	211 7	92 4	278 8	92 6	225.9
1926.....	93 2	240 8	91 7	242 1	96 6	252 2	92 0	215 2	92 3	281.9	92 4	230 5
1927.....	93 0	246 0	91 7	246 6	96 6	255.2	92 2	223 0	92 2	285.3	92 4	230.9
1928.....	93 6	244 8	91 7	250 1	96 6	257.1	92 0	224 6	92 2	287 0	92 3	232 7
1929.....	93 0	247 5	91 7	251 5	96 3	263 2	92 0	228 0	92 1	289 7	92 3	236 8
1930.....	93 5	250 7	91 7	259 3	95 2	269 9	92 0	238 0	92 1	294 8	92 3	240 1
1931.....	93 3	252 7	91 7	260 2	94 5	274.5	91 9	228 8	92 1	299.9	92 4	239.1
1932.....	92 9	244 0	91 4	259 3	94 6	272 8	91 9	240 1	81 1	290.4	84 4	236.2
1933.....	92.4	239 1	88 6	237 2	89 7	253 9	87.8	218 3	84 8	271.3	84 9	224.1
Printing and publishing: Newspaper												
	Pressmen, platen		Compositors, hand, daywork		Machine operators, daywork, (timework)		Machine tenders, (machinists), daywork		Pressmen, web presses, daywork		Stereotypers, daywork	
1910.....	99.8	94.9	100 4	92 7	100.5	94 8	-----	-----	100.3	95 5	100 5	92 1
1921.....	94 7	231 7	99.5	174 9	99.2	175 5	99 8	178.5	100 6	184 1	98 1	173 9
1923.....	92 9	236 8	100 6	177 9	100.3	183 1	100 5	180.9	102 3	182 4	99 9	174.9
1925.....	93 1	244 3	99 4	193 7	99 0	198 0	100 3	185 3	100 0	206 2	99 6	184.5
1926.....	92 3	255 8	99 3	196 7	98 9	201 6	100 2	185 2	100 3	212 2	99 6	188.1
1927.....	92 3	258 3	99 3	201.8	98.5	208 9	100 1	194.5	99 9	223 3	99 1	191.0
1928.....	92 5	253 9	98 9	206 6	98.2	213 8	100 0	198 4	99 9	224.9	99 5	191.0
1929.....	92 6	257 8	98 4	211.3	98 3	217 4	99 6	201.7	99 8	228 1	98 5	200.1
1930.....	92 6	259 9	98 4	212.5	98 2	216 7	99 2	205 1	99 9	229 3	98 5	201.8
1931.....	92 5	260 2	98 4	212.5	98 3	220 0	99 3	204 7	99 9	231 2	98 6	201.6
1932.....	90 4	250 1	95.5	204.5	96 0	214 2	92 7	209 7	97 8	235 0	98 0	203.9
1933.....	87.5	241.3	93.9	195.7	95 0	197 1	94 9	186.0	99 1	215 3	96 9	190.4

Source. Bureau of Labor Statistics, Department of Labor,

No. 345.—AVERAGE UNION RATES OF WAGES PER HOUR IN TRADES SPECIFIED, FOR THE UNITED STATES, AS OF MAY 15

NOTE.—Statistics cover the principal cities of the United States. For index numbers in the principal trades, based on these rates, see Table 344

Occupation	1931	1932	1933	Occupation	1931	1932	1933
Grand average, all trades herein covered ¹	<i>Dolls</i> 1 254	<i>Dolls</i> 1 111	<i>Dolls</i> 1. 062	PRINTING AND PUBLISHING. BOOK AND JOB			
Bakers.....	.934	.951	.799	<i>Dolls</i> Bindery women.....	0 541	0 515	0 509
BUILDING TRADES				Bookbinders.....	1 023	.988	968
Asbestos workers.....	1 471	1 237	1. 222	Compositors, hand.....	1. 166	1 162	1. 063
Bricklayers.....				Electrotypers.....	1 315	1. 307	1. 216
Building.....	1 700	1 465	1 435	Machine operators, timework.....	1 192	1 251	1 137
Sewer, tunnel, and caisson.....	2 039	1 522	1 604	Machine tenders (machinists).....	1 218	1 279	1. 191
Building labor group.....				Photo-engravers.....	1. 329	1 371	1. 321
Building laborers.....	.893	.762	.761	Press assistants and feeders.....	.880	.852	.796
Hod carriers.....	1 088	.883	.754	Pressmen.....			
Plasterers' laborers.....	1. 128	.910	.838	Cylinder.....	1 161	1. 147	1 088
Plumbers' laborers.....	1. 051	.883	.908	Platen.....	.948	.911	.879
Carpenters:				Average, printing and publishing, book and job.....	1 068	1 084	1 006
General.....	1 400	1 166	1 106	PRINTING AND PUBLISHING. NEWSPAPER			
Millwrights.....	1 349	1 108	1 047	Compositors, hand.....			
Parquetry-floor layers.....	1 494	1 184	1 004	Daywork.....	1 210	1 164	1. 114
Ship.....	1 372	1 109	1 021	Nightwork.....	1 311	1 283	1. 222
Wharf and bridge.....	1. 383	1 153	1 228	Machine operators, daywork.....			
Cement finishers.....	1. 475	1 245	1 228	Piecework.....	2 147	2 149	2 129
Composition roofers.....	1 432	1 182	1 207	Timework.....	1 239	1 206	1 110
Composition roofers' helpers.....	.782	.730	.682	Machine operators, nightwork:			
Elevator constructors.....	1. 524	1 409	1 295	Piecework.....	2 167	2 167	2 158
Elevator constructors' helpers.....	1 098	1 004	.936	Timework.....	1 339	1 335	1 219
Engineers, portable and hoisting.....	1 608	1 511	1. 321	Machine tenders (machinists)			
Glaziers.....	1 428	1 211	1 222	Daywork.....	1 204	1 233	1 094
Inside wiremen.....	1 506	1 437	1 320	Nightwork.....	1. 332	1 380	1 211
Inside wiremen, fixture hangers.....	1 335	1 276	1. 002	Photo-engravers:			
Lathers.....	1 565	1 385	1 309	Daywork.....	1. 354	1 347	1. 263
Marble setters.....	1 572	1. 432	1 398	Nightwork.....	1 653	1 652	1. 478
Marble setters' helpers.....	1 026	.931	.938	Pressmen, web presses:			
Mosaic and terrazzo workers.....	1 466	1 356	1 238	Daywork.....	1 104	1 122	1 028
Painters:				Nightwork.....	1 292	1. 306	1 240
Building.....	1 482	1 228	1 243	Stereotypes			
Fresco.....	1. 456	1 051	1 070	Daywork.....	1. 063	1 075	1 004
Sign.....	1 573	1. 393	1 338	Nightwork.....	1. 241	1 227	1. 160
Plasterers.....	1 709	1 423	1 360	Average, printing and publishing, newspaper.....	1 247	1 231	1 149
Plumbers and gas fitters.....	1 514	1 302	1 300	CHAUFFEURS AND TEAMSTERS AND DRIVERS			
Sheet-metal workers.....	1 441	1 234	1 200	Chauffeurs.....	.737	.711	.664
Slate and tile roofers.....	1 576	1 401	1 375	Teamsters and drivers.....	.755	.785	.654
Steam and sprinkler fitters.....	1 525	1 283	1 266	Average, chauffeurs, etc.....	.740	.722	.663
Steam and sprinkler fitters' helpers.....	1 084	.953	.926	GRANITE AND STONE TRADES			
Stonemasons.....	1 642	1. 449	1 369	Granite cutters.....	1. 344	1 199	1. 170
Structural-iron				Stonecutters.....	1 524	1 380	1. 294
Workers.....	1 564	1 339	1 323	Average, granite and stone trades.....	1. 437	1. 293	1. 234
Finishers.....	1 598	1 332	1 346	MISCELLANEOUS TRADES			
Tile layers.....	1 554	1 350	1 340	Laundry workers.....	.481	.487	.435
Tile layers' helpers.....	1. 047	.923	.831	Linemen.....	1. 135	1. 091	1. 034
Average, building trades.....	1 428	1 216	1 201	Longshoremen.....	.868	.868	.837

¹ Except piecework² Rate per 1,000 ems.

16.—POSTAL SERVICE

[Postal statistics, unless otherwise noted, include data for outlying territories and possessions except Philippine Islands and Canal Zone]

No. 346.—UNITED STATES POSTAL SERVICE, 1800 TO 1933

Year ended June 30—	Number of post offices	Mileage of post routes ¹	Finances, thousands of dollars			Revenue per capita, dollars	Money orders issued, thousands of dollars		Number of ordinary postage stamps issued, millions	Number of pieces of mail handled, millions ⁴
			Gross revenue	Gross expenditure	Surplus (+) or deficit (—) ²		Domes- tic ³	Inter- national ³		
1800.....	903	20,817	281	214	+67	—	—	—	—	—
1810.....	2,300	36,406	552	496	+56	—	—	—	—	—
1820.....	4,500	72,492	1,112	1,161	—49	—	—	—	—	—
1830.....	8,450	115,176	1,851	1,933	—82	—	—	—	—	—
1840.....	13,468	155,739	4,544	4,718	—175	0.27	—	—	—	—
1850.....	18,417	178,672	5,500	5,213	+287	.20	—	—	5.2	—
1860.....	28,498	240,594	8,518	19,171	—10,653	.27	—	—	216	—
1865.....	20,550	142,340	14,556	13,695	+917	.42	1,360	—	387	—
1870.....	28,492	231,232	18,880	23,999	—5,098	.49	34,054	7.22	468	—
1875.....	35,547	277,873	26,791	33,611	—6,820	.61	77,431	1,965	682	—
1880.....	42,989	343,888	33,315	36,543	—3,222	.66	100,353	3,464	876	—
1885.....	51,252	365,251	42,561	50,046	—7,481	.76	117,859	6,840	1,465	—
1890.....	62,401	427,990	60,882	66,260	—5,401	.97	114,363	13,230	2,220	4,005
1895.....	70,064	456,026	76,953	87,180	—10,230	1.12	156,709	12,906	2,795	5,134
1896.....	70,360	463,313	82,499	90,933	—8,444	1.17	172,101	13,853	3,025	5,694
1897.....	71,022	470,032	82,665	94,077	—11,432	1.15	174,483	15,888	3,064	5,781
1898.....	73,570	480,461	88,013	98,034	—9,055	1.22	191,354	13,240	3,418	6,214
1899.....	75,000	496,948	95,021	101,632	—6,630	1.28	211,214	13,745	3,693	6,576
1900.....	76,688	500,989	102,355	107,740	—5,410	1.34	238,921	16,749	3,999	7,130
1901.....	76,945	511,808	111,631	115,555	—3,922	1.43	274,546	20,073	4,239	7,424
1902.....	75,924	507,540	121,848	124,786	—2,961	1.53	313,551	22,974	4,621	8,085
1903.....	74,169	506,268	134,224	138,784	—4,587	1.66	353,628	25,238	5,271	8,887
1904.....	71,131	496,818	143,583	152,362	—8,813	1.74	378,778	42,550	5,331	9,502
1905.....	68,131	486,805	152,827	167,399	—14,594	1.81	396,903	47,516	5,751	10,188
1906.....	65,600	473,711	167,933	178,450	—10,543	1.96	444,516	63,048	6,284	11,361
1907.....	62,658	468,706	183,585	190,238	—6,692	2.11	479,650	84,081	7,061	12,256
1908.....	60,704	450,738	191,479	208,352	—16,910	2.15	498,700	88,972	7,651	13,364
1909.....	60,144	448,618	203,562	221,004	—17,480	2.24	491,075	76,755	8,732	14,005
1910.....	59,580	447,998	224,129	229,977	—5,881	2.43	547,994	99,743	9,067	14,850
1911.....	59,237	435,488	237,880	237,649	+219	2.53	578,111	109,605	10,046	16,901
1912.....	58,729	436,469	246,744	248,525	—1,786	2.58	583,337	97,660	9,929	17,589
1913.....	58,020	436,293	266,620	262,068	+4,511	2.74	624,489	102,668	10,813	18,567
1914.....	56,810	435,597	287,985	283,544	+4,376	2.91	667,281	101,963	11,112	—
1915.....	56,380	433,334	287,248	298,546	—11,333	2.56	656,139	60,772	11,226	—
1916.....	55,935	425,950	312,058	306,204	+5,829	3.05	719,365	46,357	11,672	—
1917.....	55,414	454,835	329,726	319,839	+9,836	3.18	813,319	41,645	12,452	—
1918 ⁵	54,347	465,371	388,976	324,834	+64,127	3.70	904,650	35,865	13,066	—
1919 ⁶	53,084	455,498	430,239	362,408	+73,735	4.11	1,109,613	39,766	15,020	—
1920.....	52,641	435,342	437,150	454,323	—17,270	4.10	1,332,700	32,960	13,213	—
1921.....	52,168	434,349	463,491	620,994	—157,518	4.28	1,305,370	24,399	13,870	—
1922.....	51,950	454,901	484,854	545,644	—60,815	4.41	1,205,327	20,651	14,262	—
1923.....	51,613	460,171	532,828	556,851	—24,065	4.78	1,376,461	34,119	15,478	23,055
1924.....	51,266	467,896	572,949	587,377	—14,464	5.08	1,510,705	50,615	15,954	24,358
1925.....	50,957	464,269	599,591	639,282	—39,745	5.28	1,532,567	52,650	17,887	25,835
1926.....	50,601	470,779	659,820	679,704	—19,972	5.63	1,590,486	63,172	16,333	25,484
1927.....	50,266	478,662	683,122	714,577	—31,506	5.76	1,647,580	68,952	16,000	26,687
1928.....	49,944	487,778	693,634	725,700	—32,121	5.78	1,630,157	71,520	16,676	26,837
1929.....	49,482	500,518	690,948	782,344	—95,461	5.73	1,685,443	76,113	16,917	27,952
1930.....	49,063	518,617	705,484	803,667	—98,210	5.75	1,714,576	72,708	16,269	27,888
1931.....	48,733	546,797	656,463	802,485	—146,066	5.29	1,559,549	62,228	15,559	26,544
1932.....	48,159	558,526	588,172	793,684	—205,551	4.71	1,556,889	48,849	14,651	24,307
1933.....	47,641	555,578	587,631	699,887	—112,375	4.67	1,647,421	35,116	11,917	19,868

¹ Not counting rural free delivery routes

² Audited postal surplus or deficit which is greater or less than excess of receipts or expenditures by the amount of adjusted losses and contingencies

³ International includes foreign countries on domestic basis. For explanation see headnote Table 348

⁴ Data are for continental United States and are estimates except in 1923 and beginning with 1926, when figures are accurate calculations. No estimates made from 1914 to 1922, inclusive.

⁵ Postage stamps first issued under act of Mar. 3, 1847, and placed on sale at New York July 1, 1847

⁶ From Nov. 1, 1864, when money-order system first went into operation, to June 30, 1865

⁷ From Sept. 1, 1869, to June 30, 1870. International money orders first issued under convention of Oct. 12, 1867.

⁸ Gross revenues of department for 1918 and 1919 include \$44,500,000 and \$71,292,000, respectively, war-tax revenue accruing from increased postage.

Source Annual Reports of the Postmaster General.

No. 347.—REVENUES, UNITED STATES POSTAL SERVICE: YEARS ENDED JUNE 30

[All figures in thousands of dollars]

Item	1910	1915	1920	1925	1930	1931	1932	1933
Total	224, 129	287, 248	437, 150	599, 591	705, 484	656, 463	588, 172	587, 831
Ordinary postal revenue.....	219, 339	279, 460	424, 406	585, 333	686, 426	637, 834	568, 344	564, 325
Stamps, postal cards, etc. ¹	202, 065	256, 037	379, 587	507, 572	574, 851	524, 524	459, 945	456, 407
Second-class postage paid in money (pound rates) ¹	8, 174	10, 468	25, 100	29, 619	28, 584	25, 371	21, 189	18, 154
Other postage paid in money under permit.....	4, 418	7, 527	12, 960	39, 301	73, 545	78, 622	77, 736	81, 485
Box rents.....	4, 139	4, 981	6, 145	7, 817	8, 539	8, 326	7, 832	6, 860
Miscellaneous.....	542	448	614	1, 024	907	990	1, 641	1, 419
Money-order revenues.....	4, 790	7, 175	10, 314	12, 909	17, 496	16, 333	15, 762	16, 616
Revenue from postal savings.....		612	2, 430	1, 349	1, 562	2, 297	4, 066	6, 690

¹ For volume of this item, see Table 352

No. 348.—POSTAL MONEY-ORDER BUSINESS: YEARS ENDED JUNE 30

NOTE.—For revenues from money orders, see Table 347. For value of orders issued for other years, see Table 346. Money orders are exchanged on a domestic basis not only within this country, but with its outlying possessions, Canada, Cuba, and numerous islands and minor countries neighboring the United States. International-basis orders are exchanged between the United States and its outlying possessions, on the one hand, and other than "domestic basis" foreign countries, on the other. In this table, however, "International" includes money orders exchanged between the United States and "domestic basis" foreign countries, and these are not included in "Domestic"

Item	1910	1915	1920	1925	1930	1931	1932	1933
Number of money-order offices	51, 791	55, 670	54, 395	54, 269	54, 161	55, 404	55, 081	56, 106
DOMESTIC ¹								
Orders issued:								
Number (1,000).....	76, 918	105, 073	148, 491	197, 054	202, 273	189, 874	178, 633	170, 932
Amount (1,000 dollars).....	547, 994	656, 139	1, 332, 700	1, 532, 567	1, 714, 576	1, 559, 549	1, 536, 889	1, 647, 421
Orders paid:								
Number (1,000).....	76, 496	103, 884	147, 520	196, 038	201, 453	190, 255	179, 299	171, 552
Amount (1,000 dollars).....	545, 632	652, 786	1, 333, 046	1, 531, 597	1, 713, 681	1, 560, 972	1, 538, 095	1, 642, 617
Excess of issues ²								
Number (1,000).....	422	1, 190	971	1, 015	820	—381	—666	—620
Amount (1,000 dollars).....	2, 362	1, 353	—346	970	895	—1, 423	—1, 206	—4, 804
INTERNATIONAL ^{3, 4}								
Orders issued:								
Number (1,000).....	4, 500	3, 055	1, 852	2, 966	3, 978	3, 705	3, 164	2, 640
Amount (1,000 dollars).....	99, 743	60, 772	32, 960	52, 650	72, 708	62, 228	48, 849	35, 116
Orders paid:								
Number (1,000).....	1, 956	2, 217	1, 508	1, 765	2, 161	2, 076	1, 237	949
Amount (1,000 dollars).....	27, 244	24, 743	25, 362	19, 765	25, 825	24, 223	14, 577	11, 012
Excess of issues.....								
Number (1,000).....	2, 544	837	343	1, 201	1, 817	1, 629	1, 927	1, 691
Amount (1,000 dollars).....	72, 499	36, 029	7, 598	32, 886	46, 883	38, 005	34, 272	24, 104
FOREIGN "DOMESTIC BASIS" ⁵								
Paid in foreign countries:								
Number (1,000).....	667	655	601	938	1, 034	1, 004	752	548
Amount (1,000 dollars).....	10, 184	9, 110	9, 568	16, 920	20, 921	18, 708	12, 224	7, 541
Paid in the United States:								
Number (1,000).....	1, 566	1, 936	1, 246	1, 498	1, 751	1, 675	934	678
Amount (1,000 dollars).....	17, 766	18, 386	17, 916	15, 118	17, 935	16, 097	8, 454	6, 101

¹ Domestic money orders first issued Nov 1, 1864, under act of Congress approved May 17, 1864.

² Minus sign indicates excess of payments

³ Includes foreign countries on "domestic basis"

⁴ International money orders first issued Sept 1, 1869, under Postal Convention of Oct. 12, 1867.

⁵ Included under "International" above.

Source of Tables 347 and 348: Annual Reports of the Postmaster General.

No. 349.—EXPENDITURES, UNITED STATES POSTAL SERVICE: YEARS ENDED JUNE 30

NOTE—All figures in thousands of dollars. For total expenditures see Table 346. Data cover expenditures during the specified fiscal year, whether on account of that year or of previous years

Item	1910	1915	1920	1925	1930	1931	1932	1933
Service in post offices (total).....	107,771	139,937	234,102	338,046	429,571	426,199	418,926	357,949
Salaries of postmasters.....	27,514	30,400	40,108	47,562	52,850	52,138	50,629	44,350
Salaries of clerks, etc.....	38,045	53,317	102,319	153,336	201,972	200,613	198,585	168,855
City delivery service.....	31,805	42,668	63,626	95,161	127,890	127,685	127,290	108,835
All other expenditures.....	10,405	13,552	28,049	41,987	46,860	45,763	42,422	35,909
Railway Mail Service.....	19,389	28,408	38,711	52,905	61,888	61,115	62,932	52,097
Rural Delivery Service.....	37,074	49,806	75,794	93,163	106,347	106,487	105,343	93,802
Transportation of domestic mail.....	61,940	76,914	99,520	142,141	176,984	173,309	168,181	156,386
By railroads.....	49,405	59,576	70,714	99,730	117,265	111,720	103,813	95,435
By other means.....	12,535	17,338	28,805	42,421	59,720	61,589	64,368	60,951
Transportation foreign mail.....	3,204	3,273	5,912	9,175	24,449	30,979	32,956	35,650
Payment account of invalid money orders.....	600	208	284	138	131	135	140	201
Post Office Department ¹	-----	-----	-----	3,712	4,298	4,261	4,207	3,802

¹ Paid out of the General Treasury prior to 1923.

No. 350.—TRANSPORTATION OF DOMESTIC MAILS

NOTE—Amounts, except as indicated, in thousands of dollars. Since Nov. 1, 1916, all service on steam railroads is authorized and paid for under the space basis system; formerly, payments were based on a system of quadrennial weighings. Railway mail space units of service vary in size and character and may consist of a car, a section of a car, or a closed pouch carried on a car. Some cars are railway post offices, others are for storage only, over 20 classes of units being distinguished. The "equated unit" represents a calculation of the equivalent of all the different units in terms of a 60-foot car. Annual rate of expenditure (regular authorizations) represents estimated cost for transporting normal mail traffic over regular routes only, based on contracts outstanding at the end of each fiscal year. "Annual cost" includes emergency and side and transfer service. Average rates are based on "regular authorizations"

Class of service and item	Year ended June 30, or as of June 30 of year specified						
	1910	1915	1920	1925	1930	1932	1933
Steam railway service:							
Length of routes (miles).....	220,730	233,676	232,358	230,470	220,416	211,809	205,892
Annual travel (thousand miles)—							
Regular space units.....	426,923	499,011	561,827	579,256	564,801	491,852	455,677
Prorated to 60-foot car basis.....	-----	-----	218,349	226,895	228,478	209,727	198,513
Annual expenditure.....							
Regular authorizations.....	49,302	58,149	83,731	88,991	103,970	94,776	88,956
Annual cost.....	-----	-----	89,661	107,491	125,243	113,428	104,691
Average rate of cost—							
Per mile of length (dollars).....	223.36	248.84	360.35	386.12	471.70	447.46	432.05
Per unit mile traveled (cents).....	111.55	111.65	14.90	15.36	18.41	19.27	19.52
Per 60-foot car mile (cents).....	-----	-----	38.34	39.31	45.70	45.27	45.13
Railway mail service—							
Number of employees.....	16,795	19,599	20,407	20,693	21,185	21,517	20,154
Expenditure for salary.....	19,047	21,205	35,644	48,913	56,577	57,842	48,560
Electric railway service:							
Number of routes.....	539	569	543	288	224	191	168
Length of routes (miles).....	7,198	8,183	8,043	8,042	7,012	5,984	5,379
Annual travel of space units (thousand miles).....	111,630	113,948	111,752	10,487	9,829	8,052	7,241
Annual rate of expenditure.....	674	819	471	566	571	474	416
Average cost per unit mile traveled (cents).....	15.79	15.87	14.01	5.39	5.81	5.89	5.74
Power boat service:							
Number of routes.....	217	260	266	284	265	255	239
Length of routes (miles).....	27,256	32,402	34,642	49,791	40,130	42,546	38,210
Annual travel (thousand miles).....	4,826	5,685	3,992	5,298	4,806	4,496	3,936
Annual rate of expenditure.....	705	990	773	1,492	1,401	1,413	1,252
Average cost per mile traveled (cents).....	14.61	17.42	19.36	28.16	29.15	31.43	31.80
Air mail service:²							
Length of routes (miles).....	-----	218	3,094	2,665	14,907	26,745	27,679
Mileage scheduled (thousands).....	-----	18	654	2,160	16,223	34,509	38,114
Miles traveled with mail (thousands).....	-----	16	549	2,077	14,939	32,202	35,910
Mail carried ³ (thousand pounds).....	-----	18	527	233	7,720	8,846	6,742
Cost of service.....	-----	14	1,264	2,744	14,618	19,938	19,400

¹ Annual travel in thousands of miles and average cost per mile traveled. Space basis was not in force

² Exclusive of freight and express service to Alaska or New York Harbor service.

³ All air-mail service was Government-operated prior to 1926. In 1926 contract service was inaugurated. Government service was discontinued in 1927. All data represent total service.

⁴ 1918 data.

⁵ Beginning 1925, only specially paid air mail was carried

Source of Tables 349 and 350: Annual Reports of the Postmaster General.

No. 351.—CITY AND RURAL FREE DELIVERY AND STAR-ROUTE SERVICE

NOTE.—Free city delivery was inaugurated in 1863; rural free delivery in 1897. Star routes are mail routes between towns which are let on a contract basis. Star route service in Alaska is not included in the accompanying table, data for 1933 being as follows: Number of routes, 73, length, 10,370 miles, annual travel, 232,148 miles, annual rate of expenditure, \$132,261.

As of June 30—	City free delivery			Rural free delivery				Star routes	
	Number of offices	Number of carriers	Annual cost ¹ (1,000 dollars)	Number of routes	Length of routes (miles)	Annual travel (1,000 miles)	Annual cost (1,000 dollars)	Number of routes (regular service)	Annual cost (1,000 dollars)
1870.....	51	1,362	1,231	—	—	—	—	7,295	5,050
1880.....	104	2,628	12,364	—	—	—	—	9,863	7,321
1890.....	454	9,066	17,978	—	—	—	—	15,887	5,321
1895.....	604	12,714	12,145	—	—	—	—	20,733	5,754
1900.....	796	15,322	14,671	1,259	28,685	—	420	22,834	5,088
1905.....	1,144	21,778	20,923	32,110	721,237	—	20,865	17,199	7,342
1910.....	1,492	28,715	31,738	41,079	993,068	303,007	36,915	13,425	6,928
1915.....	1,808	32,902	39,829	43,866	1,067,674	325,305	52,566	11,557	8,713
1916.....	1,864	34,114	40,520	42,927	1,083,070	326,435	51,952	11,391	8,466
1917.....	1,948	34,592	42,009	43,464	1,112,556	336,303	52,420	11,208	8,383
1918.....	1,992	34,593	42,790	43,453	1,127,110	344,100	52,196	10,958	8,606
1919.....	2,018	35,024	50,118	43,210	1,143,467	346,066	65,448	10,773	10,055
1920.....	2,086	36,142	62,841	43,445	1,151,832	348,627	75,562	10,739	11,106
1921.....	2,161	38,532	72,309	43,752	1,163,896	352,533	83,034	10,664	12,390
1922.....	2,229	39,485	75,226	44,186	1,180,448	357,254	84,430	10,715	12,641
1923.....	2,277	40,134	77,945	44,439	1,190,534	360,256	86,172	10,802	12,610
1924.....	2,325	43,829	82,904	44,760	1,205,714	363,670	86,765	10,802	12,735
1925.....	2,401	46,251	98,587	45,189	1,227,654	370,273	102,946	10,906	12,774
1926.....	2,522	48,238	105,370	45,315	1,249,978	377,046	104,117	10,991	12,955
1927.....	2,812	50,117	113,301	44,730	1,270,746	383,851	104,447	11,215	12,996
1928.....	2,899	51,293	117,490	44,288	1,289,613	390,054	105,008	11,472	13,541
1929.....	2,970	52,719	122,515	43,846	1,316,420	398,444	106,202	11,695	13,969
1930.....	3,050	53,762	126,426	43,278	1,334,842	404,738	106,378	11,788	14,281
1931.....	3,098	53,387	126,179	42,412	1,354,759	412,382	106,502	12,089	14,532
1932.....	3,111	52,767	125,700	41,602	1,358,030	412,084	105,824	12,443	14,765
1933.....	3,111	51,229	107,410	40,013	1,365,712	414,417	103,693	12,596	14,301

¹ Data represent audited expenditures; in 1880 and 1890 they include some incidental expense.

No. 352.—POSTAL SERVICE: VOLUME OF CERTAIN ITEMS OF BUSINESS, YEARS ENDED JUNE 30

NOTE.—For sales of postage stamps and other stamped paper and postage collected on second-class matter see Table 347.

	1910	1915	1920	1925	1930	1932	1933
Transactions in stamped paper:							
Ordinary postage stamps issued (millions).....	9,067	11,226	13,213	17,387	16,269	14,651	11,917
Stamped envelopes and wrappers issued (millions).....	1,507	1,794	2,350	2,997	3,164	2,385	1,645
Postal cards issued (millions).....	726	976	986	1,497	1,643	1,335	1,390
Pieces of mail carried ¹ (millions).....	14,850	—	—	25,835	27,888	24,307	19,868
Second-class matter carried:							
Free in country (1,000 pounds).....	55,639	62,142	61,528	69,195	75,326	63,165	53,822
Paid at pound rates (1,000 pounds).....	817,773	1,047,144	1,307,227	1,348,297	1,554,415	1,187,414	914,832
Foreign mails dispatched by sea:							
Letters, post cards (1,000 pounds).....	3,142	3,401	4,608	5,640	7,103	5,504	4,562
Other articles (1,000 pounds).....	17,832	22,848	66,725	66,229	83,377	63,459	49,702
Mail registered:							
Domestic, paid (1,000 pieces).....	33,682	27,688	56,951	70,512	76,489	57,082	43,740
International, paid (1,000 pieces).....	4,782	4,325	11,300	10,993	7,869	5,421	4,237
Official, free (1,000 pieces).....	3,589	5,297	6,603	8,414	8,680	8,986	9,220
Registry fees (1,000 dollars).....	3,594	3,201	6,825	8,850	12,807	9,503	7,601
Mail insured:							
Domestic, parcel post (1,000 pieces).....	—	18,012	95,385	182,078	126,421	92,605	69,362
International (1,000 pieces).....	—	—	—	603	649	470	357
Total fees paid (1,000 dollars).....	—	941	5,416	8,061	8,775	6,193	5,062
Mail sent C. O. D.:							
Total pieces sent (1,000).....	—	4,721	20,098	52,362	46,249	33,952	28,451
Total fees (1,000 dollars).....	—	472	2,070	5,562	5,825	4,227	3,848

¹ See note 4, Table 346.

² Excluding mails carried by domestic contract steamers, or steamers subsidized by foreign countries.

³ Not including surcharges (effective July 1, 1932) amounting to \$2,824,000.

Source of Tables 351 and 352. Annual Reports of the Postmaster General.

No. 353.—POSTAL SERVICE: BY STATES AND OUTLYING AREAS

Division and State	Number of post offices, June 30, 1933	Mileage of rural free-delivery routes, June 30, 1933	Gross postal receipts ¹					
			1920	1925	1930	1931	1932	1933
			In thousands of dollars for years ended June 30					
Grand total.....	47,641	1,365,712	424,525	584,755	686,351	637,350	587,016	563,556
United States proper.....	47,252	1,365,657	423,483	583,427	684,610	635,670	585,274	561,548
New England.....	2,571	42,888	32,278	43,498	51,375	48,713	44,895	46,362
Maine.....	790	12,161	2,866	3,946	3,912	3,852	3,490	3,532
New Hampshire.....	371	6,237	1,504	2,035	2,286	2,186	2,066	2,144
Vermont.....	380	8,164	1,220	1,540	1,703	1,651	1,571	1,586
Massachusetts.....	629	8,054	18,913	25,064	29,627	27,822	25,543	26,527
Rhode Island.....	87	1,260	2,029	2,702	3,297	3,116	2,912	3,047
Connecticut.....	314	7,012	5,744	8,211	10,550	10,086	9,313	9,526
Middle Atlantic.....	5,579	114,304	117,897	161,532	194,927	180,932	163,614	163,728
New York.....	2,153	49,143	74,772	102,514	125,072	115,127	104,267	103,765
New Jersey.....	665	8,733	9,512	14,655	19,768	18,974	17,612	18,395
Pennsylvania.....	2,771	56,428	33,613	44,363	50,087	46,831	41,735	41,568
East North Central.....	8,218	304,143	107,343	151,924	175,748	158,948	138,394	131,549
Ohio.....	1,483	69,220	24,800	35,417	42,088	38,536	33,963	31,446
Indiana.....	1,005	59,379	9,226	13,774	15,613	14,316	12,776	12,481
Illinois.....	1,577	72,428	51,357	70,753	78,757	70,233	59,852	56,902
Michigan.....	1,131	63,068	13,199	18,978	24,133	21,661	19,061	18,196
Wisconsin.....	1,020	50,039	8,761	13,002	15,157	14,202	12,743	12,454
West North Central.....	7,184	331,016	63,971	73,365	80,641	75,214	65,407	63,838
Minnesota.....	1,175	53,925	10,847	15,836	17,614	16,332	14,481	14,254
Iowa.....	1,207	63,951	9,392	11,720	13,504	12,604	10,828	10,204
Missouri.....	1,083	61,001	18,624	27,230	28,985	26,580	22,781	22,408
North Dakota.....	664	29,444	2,062	2,360	2,721	2,595	2,330	2,351
South Dakota.....	621	25,096	2,066	2,539	2,750	2,632	2,233	2,214
Nebraska.....	803	37,313	5,504	6,663	7,279	7,006	6,206	6,049
Kansas.....	1,011	60,256	5,476	7,017	7,785	7,455	6,548	6,458
South Atlantic.....	8,240	190,386	34,415	46,072	52,293	49,630	44,818	46,471
Delaware.....	81	3,085	811	999	1,233	1,124	1,092	1,202
Maryland.....	643	11,488	5,292	7,101	8,519	7,865	7,159	7,400
District of Columbia.....	1	210	3,536	4,771	6,047	5,894	5,577	6,249
Virginia.....	2,093	29,713	5,621	7,296	7,985	7,540	7,083	7,276
West Virginia.....	1,735	11,455	3,154	4,395	4,611	4,321	3,864	3,878
North Carolina.....	1,337	41,165	4,138	5,814	6,830	6,540	6,005	6,252
South Carolina.....	565	25,958	2,289	2,530	2,174	1,972	1,736	1,763
Georgia.....	994	53,874	6,395	7,734	9,220	8,835	7,374	7,405
Florida.....	771	13,438	3,179	5,492	5,674	5,509	4,953	5,046
East South Central.....	5,380	142,792	15,546	20,576	23,736	21,453	18,825	18,842
Kentucky.....	2,606	20,116	4,392	6,283	6,527	6,286	5,689	5,720
Tennessee.....	939	44,607	5,289	7,107	8,546	7,718	6,732	6,879
Alabama.....	1,020	37,845	3,418	4,385	5,108	4,558	3,944	3,799
Mississippi.....	815	34,321	2,447	2,801	3,255	2,891	2,460	2,444
West South Central.....	5,265	157,655	24,678	30,648	37,240	34,670	29,994	30,232
Arkansas.....	1,227	25,343	2,928	3,585	3,828	3,375	2,905	2,849
Louisiana.....	852	14,358	4,015	5,055	5,486	5,123	4,611	4,580
Oklahoma.....	1,011	43,514	4,730	5,889	7,272	6,725	5,524	5,647
Texas.....	2,175	74,440	13,005	16,117	20,654	19,447	16,954	17,156
Mountain.....	3,688	36,415	12,178	15,004	17,276	18,385	14,453	14,409
Montana.....	805	6,745	2,016	2,180	2,446	2,299	2,036	2,125
Idaho.....	475	6,763	1,397	1,324	1,513	1,459	1,284	1,239
Wyoming.....	370	1,209	712	953	993	961	866	884
Colorado.....	695	15,295	4,398	5,878	6,819	6,447	5,655	5,530
New Mexico.....	531	2,823	679	900	1,089	1,082	983	1,005
Arizona.....	284	1,548	943	1,137	1,532	1,460	1,276	1,268
Utah.....	338	1,872	1,647	2,179	2,347	2,149	1,836	1,832
Nevada.....	160	100	386	453	537	528	517	487
Pacific.....	3,169	46,058	25,158	40,812	51,378	49,725	44,873	46,019
Washington.....	849	15,110	5,636	7,494	8,719	8,266	7,262	7,213
Oregon.....	762	10,171	3,324	4,809	5,436	5,153	4,561	4,584
California.....	1,558	20,777	16,198	28,509	37,223	36,306	33,050	34,222
Outlying offices.....	389	55	1,062	1,328	1,740	1,679	1,741	1,866
Alaska.....	189		82	71	104	91	90	94
Guam.....	1		1	2	3	3	2	2
Hawaii.....	97	55	352	611	774	780	779	838
Puerto Rico.....	95		406	522	527	538	520	558
Samoa (Tutulla).....	2		2	2	(³)	(³)	(³)	(³)
Virgin Islands.....	5		17	11	15	13	13	13
Philatelic agency.....				109	317	255	337	303

¹ Revenues from money-order business, postal savings, and certain miscellaneous items not included.² Includes receipts from agencies in China, France, and Siberia³ Less than \$500.

Source: Annual Reports of the Postmaster General.

17.—TELEPHONE, TELEGRAPH, AND CABLE SYSTEMS

[Data cover public telephone systems and land (wire) and wireless commercial telegraph systems operated in continental United States and commercial cable systems operated by companies incorporated in United States]

No. 354.—TELEPHONE SYSTEMS: EQUIPMENT, TRAFFIC, EMPLOYEES, SALARIES AND WAGES, REVENUE, AND INVESTMENT

NOTE.—The more detailed data were collected only for companies reporting an annual income of \$5,000 or more previous to 1922 and \$10,000 or more in 1922, 1927, and 1932

[All money figures in thousands of dollars]

	1907	1912	1917	1922	1927	1932
ALL SYSTEMS						
Number of systems and lines.....	22, 971	32, 233	53, 234	57, 253	60, 148	44, 828
Miles of wire (thousands).....	12, 999	20, 248	28, 827	37, 266	63, 830	87, 678
Number of telephones (thousands).....	6, 119	8, 730	11, 717	14, 347	18, 523	17, 424
Number of calls originating with systems reporting (millions).....	(¹)	(¹)	21, 846	24, 648	31, 614	30, 048
Number of employees.....	(¹)	(¹)	262, 629	312, 015	375, 272	334, 085
Salaries and wages.....	(¹)	(¹)	175, 670	352, 926	486, 597	458, 117
Revenue, operating ²	(¹)	(¹)	382, 830	665, 568	1, 023, 574	1, 061, 530
Investment in plant and equipment.....	(¹)	(¹)	1, 492, 329	2, 205, 183	3, 548, 875	4, 791, 903
SYSTEMS REPORTING ANNUAL INCOME OF \$5,000 OR MORE, 1907-1917, AND THOSE REPORTING \$10,000 OR MORE, 1922-1932						
Number of systems and lines.....	1, 636	1, 916	2, 200	1, 323	1, 368	918
Miles of wire, total (thousands).....	11, 922	19, 019	27, 298	35, 503	62, 277	86, 484
Underground.....	(³)	9, 165	14, 849	21, 440	39, 893	55, 236
Overhead.....	(³)	9, 854	12, 449	14, 063	22, 384	31, 248
Exchange lines.....	(³)	16, 336	23, 723	30, 907	54, 281	(⁴)
Toll lines.....	(³)	2, 683	3, 575	4, 596	7, 996	(⁴)
Number of telephones (thousands).....	4, 907	7, 327	9, 954	12, 295	16, 713	16, 284
Number of central offices.....	10, 613	11, 515	12, 294	10, 676	11, 485	12, 724
Number of private-branch exchanges.....	28, 276	52, 651	80, 914	102, 622	(⁴)	(⁴)
Number of calls originating with systems reporting (millions).....	10, 400	13, 736	19, 809	21, 901	29, 196	29, 100
Local exchange.....	10, 161	13, 395	19, 366	21, 235	28, 109	(⁴)
Long distance or toll.....	240	341	443	666	1, 087	(⁴)
Number of employees.....	131, 670	183, 361	244, 490	290, 333	356, 739	320, 763
Salaries and wages.....	65, 009	96, 041	169, 655	341, 538	475, 840	451, 478
Operators (included above):						
Number.....	72, 518	96, 332	138, 971	159, 558	(⁴)	(⁴)
Male.....	2, 457	1, 972	1, 679	932	(⁴)	(⁴)
Female.....	70, 061	94, 360	137, 292	158, 626	(⁴)	(⁴)
Wages.....	22, 637	32, 474	66, 137	138, 897	(⁴)	(⁴)
BELL SYSTEM (INCLUDED ABOVE)						
Miles of wire (thousands).....	8, 947	15, 133	23, 134	30, 614	56, 819	80, 586
Number of telephones (thousands).....	3, 132	5, 087	7, 327	9, 515	13, 726	13, 793
Number of originating calls (millions).....	6, 401	9, 133	14, 598	16, 567	23, 693	25, 061
SYSTEMS REPORTING ANNUAL INCOME OF LESS THAN \$5,000, 1907-1917, AND LESS THAN \$10,000, 1922-1932						
Miles of wire (thousands).....	1, 077	1, 229	1, 529	1, 763	1, 559	1, 193
Number of telephones (thousands).....	1, 212	1, 403	1, 763	2, 052	1, 810	1, 140
Number of originating calls (millions).....	(³)	(³)	2, 037	2, 746	2, 418	948

¹ Not reported except for the larger systems and lines

² Including assessments of mutual companies.

³ Comparable data not available

⁴ Not called for on schedule

Source: Bureau of the Census, Department of Commerce

No. 355.—TELEPHONE SYSTEMS: MILES OF WIRE, NUMBER OF TELEPHONES, AND NUMBER OF ORIGINATING CALLS, ALL SYSTEMS AND LINES, BY STATES

Division and State	Miles of wire		Number of telephones				Tele- phones per 1,000 popu- lation, 1932	Number of originating calls (millions)	
	1927	1932	1912	1922	1927	1932		1927	1932
United States.....	63,836,182	87,677,586	8,729,592	14,347,395	18,522,767	17,424,406	139	31,614	30,048
New England.....	5,586,669	7,682,588	625,488	1,223,497	1,548,931	1,513,839	183	2,328	2,458
Maine.....	326,120	517,144	68,914	113,725	131,367	124,372	155	214	205
New Hampshire.....	211,448	288,990	40,017	68,874	83,066	79,506	170	117	127
Vermont.....	105,645	149,129	40,142	54,530	60,793	58,133	161	84	86
Massachusetts.....	3,165,833	4,099,247	329,992	687,700	867,888	832,740	158	1,334	1,368
Rhode Island.....	429,451	595,303	41,664	92,766	114,944	110,671	133	117	170
Connecticut.....	1,348,072	2,032,775	104,759	205,902	290,873	308,517	188	462	496
Middle Atlantic.....	18,992,689	27,399,025	1,782,145	3,249,710	4,588,211	4,613,733	172	6,908	6,905
New York.....	11,692,418	15,385,557	970,449	1,750,563	2,595,537	2,628,537	204	3,935	4,000
New Jersey.....	3,012,459	4,382,769	185,632	383,496	599,336	642,830	154	774	838
Pennsylvania.....	5,387,812	7,630,699	626,064	1,085,651	1,393,338	1,342,366	138	2,199	2,067
East North Central.....	15,223,410	21,574,370	2,378,257	3,693,101	4,589,759	4,034,881	156	7,538	6,504
Ohio.....	3,658,505	5,545,857	631,205	962,837	1,122,036	978,394	144	1,958	1,712
Indiana.....	1,558,005	2,223,608	354,550	508,726	552,249	444,996	136	1,061	883
Illinois.....	5,688,146	7,509,337	807,253	1,283,449	1,685,690	1,507,222	193	2,571	2,206
Michigan.....	2,967,217	4,263,778	345,074	508,140	711,315	621,958	124	1,140	982
Wisconsin.....	1,351,637	1,941,790	250,174	429,949	518,461	482,361	162	808	741
West North Central.....	6,044,901	7,641,354	1,523,523	2,315,996	2,594,081	2,260,985	169	4,577	3,980
Minnesota.....	1,422,716	1,610,192	272,359	424,777	487,611	443,682	171	931	849
Iowa.....	990,226	1,310,798	380,294	533,347	565,533	484,879	196	916	775
Missouri.....	1,988,764	2,620,741	404,150	550,980	657,946	592,153	162	1,269	1,157
North Dakota.....	140,923	161,225	51,241	77,586	86,198	69,241	101	129	143
South Dakota.....	154,601	177,521	65,858	101,555	107,641	88,798	127	171	110
Nebraska.....	606,425	736,632	201,689	273,500	295,274	247,551	178	524	367
Kansas.....	771,246	1,024,245	245,932	354,251	393,878	334,681	176	637	550
South Atlantic.....	4,244,852	5,760,130	531,402	937,324	1,262,222	1,260,882	78	2,426	2,430
Delaware.....	118,539	210,300	15,842	23,534	28,901	32,537	135	53	58
Maryland.....	936,353	1,076,460	84,801	153,790	197,135	212,014	128	294	317
District of Colum- bia.....	540,152	675,044	46,603	102,231	144,985	180,785	366	186	235
Virginia.....	615,286	876,581	76,652	155,490	183,968	196,956	81	382	420
West Virginia.....	349,899	445,781	80,251	116,081	146,677	134,150	76	279	243
North Carolina.....	392,455	706,829	65,152	116,129	160,507	143,710	44	379	321
South Carolina.....	171,678	290,599	33,239	54,078	64,616	57,215	33	146	148
Georgia.....	538,751	772,176	96,436	136,334	173,410	151,264	52	437	415
Florida.....	581,739	706,360	32,426	79,657	162,293	142,251	92	270	273
East South Central.....	2,001,125	2,587,978	337,292	521,120	644,270	547,440	55	1,537	1,401
Kentucky.....	722,120	863,293	130,751	201,545	222,735	191,236	72	485	407
Tennessee.....	642,096	850,951	104,353	171,413	220,559	192,983	73	559	539
Alabama.....	421,927	580,087	56,292	84,401	121,115	100,813	37	313	282
Mississippi.....	214,982	293,647	45,896	63,761	79,861	62,408	31	180	173
West South Central.....	3,619,976	5,028,077	543,102	872,157	1,149,357	1,002,389	81	2,649	2,591
Arkansas.....	318,868	366,944	68,303	99,490	118,178	86,676	46	239	193
Louisiana.....	500,202	694,367	46,602	87,354	137,610	132,735	62	385	392
Oklahoma.....	665,102	1,173,051	116,217	222,889	278,912	241,453	99	581	571
Texas.....	2,085,744	2,793,715	311,980	462,424	614,657	541,525	90	1,444	1,435
Mountain.....	1,198,550	1,640,855	228,652	385,730	456,198	448,492	119	780	802
Montana.....	135,536	181,485	35,537	55,115	59,238	55,361	103	81	96
Idaho.....	111,940	134,096	29,454	49,745	54,822	49,201	110	128	93
Wyoming.....	60,622	85,253	9,946	24,949	28,049	28,346	123	39	49
Colorado.....	559,873	717,589	90,397	150,652	183,250	179,063	171	313	300
New Mexico.....	48,765	84,722	10,346	18,342	21,580	23,100	53	35	43
Arizona.....	89,305	158,261	11,224	24,353	33,194	36,064	80	37	68
Utah.....	167,393	231,113	34,064	53,261	63,106	60,082	116	127	130
Nevada.....	25,116	48,356	5,684	10,313	12,959	15,275	164	20	23
Pacific.....	5,924,110	8,383,209	683,731	1,148,760	1,688,746	1,753,615	205	2,871	2,997
Washington.....	739,138	1,029,949	150,016	238,275	299,109	276,530	174	554	560
Oregon.....	490,820	599,201	99,713	146,847	185,171	166,639	170	331	307
California.....	4,694,152	6,734,059	434,002	763,638	1,205,466	1,310,446	219	1,986	2,130

Source: Bureau of the Census, Department of Commerce

No. 356.—TELEPHONE SYSTEMS: TOTAL NUMBER OF TELEPHONES, ALL SYSTEMS, AND NUMBER OF TELEPHONES AND MILES OF WIRE IN THE BELL SYSTEM

Dec 31—	Total tele- phones ¹	Bell System		Dec 31—	Total tele- phones ¹	Bell System	
		Tele- phones ²	Miles of wires			Tele- phones ²	Miles of wire
1895.....	339,500	309,502	675,415	1923.....	15,369,500	15,000,101	34,523,842
1900.....	1,355,900	855,911	1,961,801	1924.....	16,072,500	15,906,550	39,893,619
1905.....	4,126,900	2,530,924	5,779,918	1925.....	16,935,900	16,720,224	45,473,540
1910.....	7,635,400	5,882,719	11,642,212	1926.....	17,746,000	17,574,252	50,861,150
1915.....	10,523,500	9,172,495	18,505,545	1927.....	³ 18,522,767	18,365,486	56,822,895
1917.....	³ 11,716,520	10,539,576	22,610,487	1928.....	19,341,000	19,197,035	62,192,744
1918.....	12,077,600	11,065,999	23,346,132	1929.....	20,068,000	19,958,000	69,519,425
1919.....	12,668,500	11,795,747	24,162,999	1930.....	20,201,000	20,098,059	76,248,285
1920.....	13,329,400	12,601,935	25,377,404	1931.....	19,690,000	19,596,000	79,239,000
1921.....	13,875,200	13,380,219	27,819,821	1932.....	³ 17,424,406	17,341,000	80,491,000
1922.....	³ 14,347,395	14,050,565	30,616,522	1933.....	16,711,000	16,635,000	80,281,000

¹Partly estimated, except as indicated.

²Bell-owned and Bell-connecting (owned by other companies)

³From Bureau of the Census.

No. 357.—AMERICAN TELEPHONE & TELEGRAPH CO. AND ASSOCIATED OPERATING COMPANIES (BELL TELEPHONE SYSTEM): SUMMARY OF STATISTICS

	1910	1915	1920	1925	1930	1932	1933
Operating statistics and employees as of Dec. 31 (in thousands, except as indicated)							
Exchange messages, daily average.....	21,681	25,184	31,835	46,702	62,365	58,813	55,199
Toll messages, daily average.....	603	819	1,327	2,098	2,933	2,251	2,047
Central offices (number).....	4,933	5,300	5,702	6,017	6,585	6,778	6,763
Miles of wire, total.....	11,642	18,506	25,377	45,474	76,248	80,491	80,281
Aerial wire.....	5,625	7,932	9,630	14,991	26,023	27,608	27,480
Underground wire.....	6,017	10,573	15,748	30,483	50,225	52,883	52,801
Exchange wire.....	9,678	16,052	21,604	39,841	62,867	65,224	65,028
Toll wire.....	1,964	2,453	3,773	5,633	13,381	15,267	15,253
Telephones, total.....	5,883	9,172	12,602	16,720	20,098	17,941	16,635
Bell-owned.....	3,933	5,968	8,334	12,035	15,682	13,793	13,163
Bell-connecting (owned by other companies).....	1,950	3,204	4,268	4,685	4,416	3,548	3,472
Employees (number).....	120,311	156,294	231,316	293,095	324,343	266,357	248,497
Income statement year ended Dec 31 (in thousands of dollars) ^{2,3}							
Gross revenues.....	165,613	239,910	461,135	761,219	1,151,566	974,071	884,468
Expenses.....	114,618	173,728	381,626	578,776	883,692	779,600	701,532
Net revenue.....	50,994	66,182	79,509	182,443	267,874	194,471	182,936
Interest.....	11,557	18,096	31,724	45,940	66,228	55,135	54,351
Net income.....	39,438	48,086	47,785	136,503	201,646	139,336	128,585
Dividends.....	25,161	32,897	40,000	93,243	156,625	185,032	183,240
Balance.....	14,277	15,189	7,785	43,260	45,021	⁴ 45,696	⁴ 54,665
Telephone plant, capital stock, and funded debt Dec. 31 (in thousands of dollars) ²							
Telephone plant.....	611,000	880,069	1,363,826	2,524,906	4,043,422	4,188,749	4,238,646
Capital stock.....	344,645	440,711	511,493	1,144,619	2,155,053	2,111,114	2,109,718
Funded debt.....	224,792	353,236	585,794	890,337	1,115,592	1,043,908	1,037,625

¹Includes private line telephones

²All duplications between companies excluded

³Figures for 1933 not strictly comparable with those for prior years owing to revision of uniform system of accounts, effective Jan. 1, 1933

⁴Deficit.

⁵Includes capital stock installments

Source of Tables 356 and 357: American Telephone & Telegraph Co.

No. 358.—TELEPHONE SYSTEMS. REPORTS TO INTERSTATE COMMERCE COMMISSION

NOTE.—Companies engaged in interstate business are required to report both as regards interstate and intrastate business. Prior to 1923 the classification of companies based on the amount of annual operating revenues was as follows: Class A, over \$250,000, class B, \$50,000 to \$250,000, class C, \$10,000 to \$50,000. Effective Jan. 1, 1923, the classification was amended as follows: Class A, over \$250,000, class B, \$100,000 to \$250,000, class C, \$50,000 to \$100,000, class D, \$50,000 or less. A further change was made effective Jan. 1, 1933, as follows: Class A, over \$100,000, class B, \$50,000 to \$100,000, class C, \$50,000 or less. The companies below \$50,000 are not covered in the table.

Year ended Dec. 31—	Miles of wire (thous- ands)	Num- ber of com- pany sta- tions (thous- ands)	Operat- ing revenues	Operat- ing expenses	Operat- ing income before deduc- tion of taxes	Operat- ing income after deduc- tion of taxes	Investment	
							Plant and equip- ment	All other
Thousands of dollars								
All companies*								
1916.....	23,699	8,963	314,801	209,233	(1)	(1)	1,217,756	(1)
1920.....	29,640		530,349	(1)	(1)	88,024	1,704,304	1,122,289
1925.....	49,773	13,875	818,218	556,993	257,231	193,599	2,790,056	1,633,124
1927.....	62,096	15,702	979,414	658,231	316,951	235,047	3,367,860	1,953,742
1928.....	67,790	16,648	1,068,478	715,032	348,175	260,641	3,666,739	2,030,651
1929.....	75,729	17,697	1,172,863	791,612	375,018	284,068	4,070,131	2,337,207
1930.....	82,783	17,904	1,209,665	831,500	369,990	277,135	4,445,139	2,658,091
1931.....	86,670	17,573	1,179,660	795,376	376,431	279,188	4,619,076	2,830,718
1932.....	88,303	15,681	1,049,757	715,675	321,702	228,865	4,660,663	2,783,658
Class A companies:								
1925.....	48,487	13,037	792,428	539,072	248,476	186,777	2,674,926	1,631,335
1930.....	81,517	17,128	1,183,503	813,734	369,771	269,717	4,312,385	2,652,428
1932.....	87,301	15,177	1,032,294	703,191	315,816	224,397	4,549,505	2,774,590
1933.....	(1)	14,449	951,953	678,636	273,215	183,700	(1)	(1)
Class B companies 1932.....	653	313	11,206	7,739	3,352	2,380	60,407	7,202
Class C companies 1932.....	349	191	6,257	4,745	2,534	2,088	50,751	1,566

¹ Data not available.

Source: Interstate Commerce Commission.

No. 359.—WIRELESS TELEGRAPH SYSTEMS: SUMMARY OF STATISTICS

NOTE.—1917 omitted owing to war conditions, 1932 data not available

	1907	1912	1922	1927
Number of companies or systems.....	5	4	4	5
Number of messages.....	154,617	1 285,091	2,365,109	3,777,538
Number of tower stations.....	117	74	37	55
Income, total.....	\$106,791	\$669,158	\$3,111,102	\$24,829,340
Expenses, total.....	\$160,329	\$664,420	\$5,111,574	\$12,866,636
General operation and maintenance.....	\$117,480	\$588,712	\$3,534,474	\$5,116,264
Interest and taxes.....	\$5,562	\$7,826	\$156,457	\$249,435
All other expenses.....	\$37,287	\$67,882	\$1,420,643	\$7,500,937
Net income.....	.....	\$4,738	\$2,099,528	\$11,962,704
Deficit.....	\$53,538	.....	.....	.....
Assets, total.....	\$32,558,897	\$10,377,197	\$46,494,909	\$81,147,512
Plant and equipment.....	\$317,614	\$1,205,770	\$34,716,814	\$35,751,904
Investment and marketable securities, long-term advances, and misc. investments.....	.....	.....	{ \$1,225,169	\$17,711,483
Cash and current assets.....	.....	.....	{ \$4,427,830	\$19,312,823
Materials and supplies.....	\$32,196,456	\$9,171,427	{ \$5,883,877	\$6,831,530
Sundries.....	.....	.....	{ \$241,219	\$1,387,342
Deficit.....	\$444,827	.....	.....	\$152,430
Liabilities, total.....	\$32,958,897	\$10,377,197	\$46,494,909	\$81,147,512
Capital stock.....	.....	\$9,602,570	\$36,034,309	\$38,174,134
Funded and long-term debt.....	.....	.....	{ \$525,000	.....
Floating debt.....	.....	.....	{ \$659,280	\$320,961
Accounts payable.....	\$282,655	\$287,866	{ \$3,254,556	\$11,436,628
Reserves (depreciation and other).....	.....	.....	{ \$4,040,280	\$17,206,630
Sundries.....	.....	\$313,777	\$1,172,599	\$5,746,973
Surplus.....	.....	\$172,984	\$808,885	\$8,262,186
Number of employees.....	176	958	1,258	1,985
Salaries and wages.....	\$81,771	\$393,606	\$2,095,506	\$2,558,179

¹ Includes 5,013 land messages sent over a leased wire by a wireless company doing a land-telegraph business also.

² Includes revenues from transmission for 1922, \$4,207,785; for 1927, \$6,226,188, other operating revenues, 1922, \$3,644,201, 1927, \$14,791,565, nonoperating income, 1922, \$259,116, 1927, \$3,811,587.

³ Includes sinking funds and stock and bond discounts.

Source: Bureau of the Census, Department of Commerce.

No. 360.—TELEGRAPH AND CABLE SYSTEMS: SUMMARY OF REPORTS TO THE INTERSTATE COMMERCE COMMISSION

[All money figures in thousands of dollars]

Year ended Dec. 31—	Miles of wire (thousands)	Investments		Operating revenues	Operating ratio (per cent)	Operating income	Net income	Dividends
		Plant and equipment	Other					
All companies.								
1916.....	1,936	149,936	(¹)	74,847	73 77	(¹)	13,955	6,066
1920.....	1,781	258,067	21,275	153,264	(¹)	21,512	16,158	11,471
1921.....	1,858	270,976	20,549	136,663	(¹)	18,667	13,311	9,078
1922.....	1,874	279,402	19,907	138,190	(¹)	22,894	18,138	13,960
1923.....	1,894	288,481	27,001	144,610	81 11	21,025	16,656	9,309
1924.....	1,946	307,143	27,565	146,176	81 94	20,229	15,805	9,386
1925.....	2,075	321,687	28,191	162,693	81 64	23,204	18,854	9,066
1926.....	2,056	338,794	27,017	165,831	82 81	21,767	16,806	10,750
1927.....	2,207	379,614	27,434	170,843	80 58	25,714	21,046	11,618
1928.....	2,317	396,609	32,190	177,019	81 18	26,335	21,662	11,680
1929.....	2,365	411,725	54,285	188,574	82 59	26,333	21,611	18,828
1930.....	2,381	450,223	38,640	169,643	86 16	17,930	10,730	20,073
1931.....	2,349	463,171	25,498	142,792	87 78	12,662	4,029	9,588
1932.....	2,337	465,639	22,417	110,302	89 88	6,168	² 3,123	2,461
Western Union Co 1932.....	1,899	326,547	17,541	83,014	88 02	6,095	² 831	1,045
Mackay companies 1932.....	382	82,842	1,030	21,434	99 38	² 735	² 3,569	-----

¹ Data not available² Deficit.

Source Interstate Commerce Commission.

No. 361.—LAND AND OCEAN-CABLE TELEGRAPH SYSTEMS COMBINED: EQUIPMENT, TRAFFIC, EMPLOYEES, AND FINANCES

	1902	1912	1917	1922	1927	1932
Miles of pole line ¹	237,990	247,523	241,128	252,991	256,809	256,661
Miles of single wire ¹	1,318,350	1,814,196	1,890,245	1,853,250	2,145,897	2,266,054
Aerial.....	(³)	(³)	1,809,482	1,718,251	1,940,069	1,956,003
Underground.....	(³)	(³)	77,187	131,448	200,979	303,912
Submarine.....	(³)	(³)	3,576	3,551	4,849	6,139
Nautical miles of ocean cable.....	16,677	67,676	71,251	76,711	99,074	96,468
Number of offices.....	27,377	30,864	28,940	27,354	27,666	26,047
Operated jointly with railway companies.....	(³)	26,247	23,272	21,906	21,149	18,816
Messages sent (thousands).....	91,655	109,378	⁴ 127,074	191,121	229,582	158,378
Governmental.....	(³)	(³)	4,597	3,199	2,732	3,655
Full commercial rate.....	(³)	(³)	110,618	175,847	214,164	146,162
Contract rate and free.....	(³)	(³)	11,658	12,075	12,686	8,561
Number of employees.....	27,627	⁴ 44,811	64,723	68,632	81,498	66,723
Salaries and wages (\$1,000).....	15,040	⁴ 24,965	43,764	76,162	99,520	73,949
Revenue, operating (\$1,000).....	35,301	60,403	106,990	146,805	177,589	114,656
Investment in plant and equipment (\$1,000).....	161,680	222,047	243,358	326,662	426,699	506,445

¹ Exclusive of pole line owned and operated wholly by railway companies² Exclusive of wire owned and operated wholly by railway companies, as follows: Reported by all railway companies, 1912, 314,329 miles; reported by railway companies having annual operating revenues of \$1,000,000 or more, 1917, 344,110 miles; 1922, 285,002 miles; 1927, 333,898 miles; 1932, 337,059 miles. No data for 1902³ Figures not available⁴ The number of employees includes 7,516 messengers whose wages are not included in figure for salaries and wages

Source Bureau of the Census, Department of Commerce.

No. 362.—LAND AND OCEAN-CABLE TELEGRAPH SYSTEMS: EQUIPMENT, TRAFFIC, EMPLOYEES, AND FINANCES

	Land systems				Ocean systems			
	1917	1922	1927	1932	1917	1922	1927	1932
Miles of pole line ¹	241, 012	252, 001	254, 720	256, 215	116	-----	2, 089	446
Miles of single wire ²	1, 888, 793	1, 845, 237	2, 138, 259	2, 259, 827	1, 452	8, 013	7, 638	6, 227
Aerial.....	1, 808, 325	1, 714, 211	1, 936, 611	1, 952, 432	1, 157	4, 040	3, 458	3, 571
Underground.....	70, 892	127, 475	197, 058	301, 560	295	3, 973	3, 921	2, 352
Submarine.....	3, 576	3, 551	4, 590	5, 835	-----	-----	259	304
Nautical miles of ocean cable.....	-----	-----	-----	-----	71, 251	76, 711	99, 074	96, 468
Number of offices.....	28, 824	27, 214	27, 530	25, 901	114	140	136	146
Operated jointly with railway companies.....	23, 272	21, 906	21, 449	18, 816	-----	-----	-----	-----
Messages sent, thousands.....	³ 120, 623	181, 619	216, 595	147, 941	6, 451	9, 603	13, 987	10, 437
Governmental.....	4, 309	3, 130	2, 657	3, 583	288	69	75	72
Full commercial rate.....	106, 159	160, 730	200, 381	135, 797	4, 459	9, 117	13, 783	10, 365
Contract rate and free.....	10, 154	11, 659	12, 557	8, 561	417	417	129	-----
Number of employees.....	60, 376	62, 299	74, 903	60, 933	4, 347	6, 333	6, 595	5, 790
Salaries and wages (\$1,000).....	40, 512	68, 737	83, 984	66, 988	3, 252	7, 425	9, 536	6, 961
Revenue, operating (\$1,000).....	91, 313	128, 631	159, 682	97, 729	15, 677	18, 174	17, 907	16, 927
Investment in plant and equipment (\$1,000).....	⁴ 163, 488	254, 030	338, 143	415, 694	⁵ 79, 871	72, 632	88, 556	90, 751

¹ Exclusive of pole line owned and operated wholly by railway companies

² Exclusive of wire owned and operated wholly by railway companies having annual operating revenues of \$1,000,000 or more 1917, 344,110 miles, 1922, 285,002 miles, 1927, 333,898 miles, 1932, 337,039 miles

³ In addition, 31,102,577 lettergrams, not distributed according to rate, were reported

⁴ Not including land-line system plant and equipment to the value of \$20,000,000 reported as cable-system plant and equipment for 1917

⁵ Includes land-line-system plant and equipment to the value of \$20,000,000

No. 363.—WESTERN UNION TELEGRAPH CO.: MILEAGE OF LINES AND WIRES, NUMBER OF OFFICES, AND FINANCES

Year ended—	Miles of pole line and cable	Miles of wire	Number of offices	Receipts	Expenses	Net income ¹
				Dollars	Dollars	Dollars
June 30—						
1867.....	46, 270	85, 291	2, 565	6, 568, 925	3, 944, 006	2, 624, 920
1870.....	54, 109	112, 191	3, 972	7, 138, 738	4, 910, 772	2, 227, 966
1875.....	72, 833	179, 496	6, 565	9, 564, 575	6, 335, 415	3, 229, 158
1880.....	85, 645	233, 534	9, 077	12, 782, 895	6, 948, 957	5, 833, 938
1885.....	147, 500	462, 283	14, 184	17, 706, 834	12, 005, 910	5, 700, 924
1890.....	183, 917	678, 997	19, 382	22, 387, 029	15, 074, 304	7, 312, 725
1895.....	189, 714	802, 651	21, 360	22, 218, 019	16, 076, 630	6, 141, 389
1900.....	192, 705	933, 153	22, 900	24, 758, 570	18, 593, 206	6, 165, 364
1905.....	200, 224	1, 184, 557	23, 814	29, 033, 635	21, 845, 570	7, 188, 065
1910.....	214, 360	1, 429, 049	24, 825	33, 889, 202	26, 614, 302	7, 274, 900
Dec 31—						
1915.....	238, 940	1, 610, 709	25, 142	52, 475, 721	40, 972, 541	11, 503, 180
1917.....	228, 766	1, 629, 963	25, 466	78, 480, 223	62, 783, 006	15, 697, 217
1918.....	² 247, 303	1, 382, 547	25, 452	³ 88, 093, 247	³ 76, 713, 028	³ 11, 380, 219
1919.....	245, 560	1, 433, 978	25, 159	³ 104, 082, 147	³ 90, 312, 033	³ 13, 770, 114
1920.....	246, 214	1, 449, 710	24, 881	121, 473, 685	108, 134, 041	13, 339, 644
1921.....	246, 064	1, 521, 085	24, 632	105, 228, 075	95, 542, 563	9, 685, 512
1922.....	242, 729	1, 634, 009	24, 580	107, 116, 306	93, 910, 954	13, 205, 352
1923.....	244, 001	1, 557, 399	24, 678	113, 628, 470	99, 982, 165	13, 646, 305
1924.....	246, 742	1, 593, 963	24, 478	115, 235, 563	101, 815, 734	13, 419, 829
1925.....	246, 307	1, 635, 236	24, 428	129, 151, 617	112, 861, 832	16, 289, 785
1926.....	249, 916	1, 668, 293	24, 688	136, 406, 026	121, 098, 832	15, 307, 194
1927.....	251, 756	1, 783, 140	24, 765	134, 460, 816	119, 328, 218	15, 132, 598
1928.....	255, 088	1, 889, 632	24, 842	139, 387, 321	123, 817, 517	15, 569, 804
1929.....	256, 044	1, 934, 020	25, 061	148, 449, 854	132, 872, 815	15, 577, 039
1930.....	256, 763	1, 948, 938	24, 298	133, 235, 751	123, 987, 519	9, 248, 232
1931.....	258, 652	1, 913, 485	23, 490	110, 547, 245	104, 572, 745	5, 974, 500
1932.....	258, 020	1, 899, 174	21, 920	84, 581, 963	85, 412, 568	⁴ 830, 805
1933.....	267, 274	1, 902, 327	21, 261	84, 993, 425	80, 628, 543	4, 364, 882

¹ Prior to 1919 data represent net income before bond interest.

² Figures readjusted.

³ Corporate and Federal.

⁴ Deficit

Sources Table 362, Bureau of the Census, Department of Commerce; Table 363, Western Union Telegraph Co.

18.—POWER—ELECTRIC AND OTHER

[Data in this section relate to continental United States]

No. 364.—ANNUAL SUPPLY OF ENERGY FROM MINERAL FUELS AND WATER POWER IN THE UNITED STATES

NOTE.—The figures, except coal equivalent, represent the equivalent of the heating power of the classes of fuel in trillions of British thermal units. Data represent production, except those for oil imports, and take no account of exports, imports, or changes in stocks

Annual average or year	An-thra-cite	Bi-tu-minous	Total coal	Do-mestic oil	Natu-ral gas	Im-ported oil	Water power ¹	Grand total fuels and water power	Equivalent in bituminous coal ²	
									Million tons of 2,000 lbs.	Per capita, tons
1871-1875	637	754	1,391	49	-----	-----	(¹)	1,520	58	1.4
1876-1880	718	955	1,673	101	-----	-----	(¹)	1,857	71	1.5
1881-1885	985	1,863	2,848	153	24	-----	(¹)	3,110	119	2.2
1886-1890	1,195	2,474	3,669	198	264	-----	(¹)	4,221	161	2.7
1891-1895	1,453	3,286	4,739	307	166	-----	104	5,316	203	3.0
1896-1900	1,513	4,493	6,006	357	198	-----	129	6,690	255	3.5
1901-1905	1,818	7,140	8,958	612	323	-----	209	10,102	386	4.8
1906-1910	2,207	9,783	11,990	1,087	470	-----	309	13,867	529	5.9
1911-1915	2,427	11,527	13,954	1,486	619	7	591	16,722	638	6.6
1916-1920	2,523	13,981	16,504	2,176	820	297	851	20,648	788	7.6
1921-1925	2,112	12,610	14,722	3,888	1,024	569	1,105	21,308	813	7.3
1926-1930	2,084	13,595	15,679	5,375	1,760	408	1,781	25,002	954	8.0
1928.	2,049	13,120	15,169	5,409	1,686	479	1,942	24,685	942	7.9
1929.	2,008	14,017	16,025	6,044	2,062	474	1,923	26,534	1,013	8.3
1930.	1,887	12,249	14,136	5,388	2,089	373	1,856	23,842	910	7.4
1931.	1,622	10,011	11,633	5,106	1,813	284	1,721	20,557	785	6.3
1932.	1,356	8,114	9,470	4,711	1,673	268	1,600	18,022	688	5.5
1933.	1,344	8,592	9,936	5,393	1,591	203	1,931	19,054	727	5.8

¹ The fuel equivalent for water power is calculated from the reported horsepower of installed water wheels. Prior to 1890 data were unsatisfactory, but estimates are included in the total.

² Calculated at 26,200,000 British thermal units per ton

³ Based on the amount of coal displaced by gas, as estimated by the gas companies at the time.

⁴ Preliminary

No. 365.—ELECTRICITY PRODUCED, CONSUMPTION OF FUEL, AND CAPACITY OF GENERATORS IN PUBLIC-UTILITY POWER PLANTS

NOTE.—Data prior to 1919 are totals for central stations and electric railways as reported by Bureau of the Census, thereafter, they are estimated totals for all plants, based on returns from about 3,500 plants in 1919 to about 3,800 in 1933, each producing 10,000 kilowatt-hours or more per month, engaged in public service, including central stations, electric railways, steam railroads generating electricity for traction, and certain other plants. The capacity of plants reporting is about 95 percent of that of all plants

Calendar year	Production of electricity			Consumption of fuel			Consumption—Coal or coal equivalent		Capacity of generators
	Total	Water power	Fuel power	Coal	Fuel oil	Gas	Total	Per kilowatt-hour	
	Million kilowatt-hours	Million kilowatt-hours	Million kilowatt-hours	Thousand tons ¹	Thousand barrels ²	Million cubic feet	Thousand tons ¹	Pounds	
1902.	4,768	-----	-----	-----	-----	-----	-----	-----	2,112
1912.	17,572	-----	-----	-----	-----	-----	-----	-----	7,670
1917.	32,679	-----	-----	-----	-----	-----	-----	-----	11,919
1919.	38,921	14,606	24,315	35,100	11,050	21,406	38,880	3.2	13,094
1920.	43,555	16,150	27,405	37,124	13,123	24,702	41,420	3.0	14,399
1921.	40,975	14,970	26,005	31,585	12,045	23,722	35,240	2.7	15,483
1922.	47,654	17,207	30,447	34,179	13,197	27,172	38,000	2.5	15,971
1923.	55,665	19,343	36,322	38,966	14,684	31,433	43,522	2.4	17,389
1924.	59,014	19,969	39,044	37,556	16,630	48,443	43,130	2.2	19,519
1925.	65,870	22,359	43,514	40,222	10,246	46,521	44,780	2.1	23,619
1926.	73,791	26,186	47,602	41,311	9,399	53,207	45,856	1.95	25,398
1927.	80,205	29,875	50,330	41,888	6,782	62,919	45,910	1.84	27,691
1928.	87,850	34,695	53,154	41,350	7,158	77,326	46,387	1.76	29,630
1929.	97,352	34,629	62,723	44,937	10,124	112,707	52,574	1.69	31,952
1930.	95,936	33,021	62,915	42,598	9,260	120,240	50,064	1.62	34,264
1931.	91,729	30,603	61,126	38,734	8,123	139,328	47,134	1.55	35,500
1932.	83,153	34,068	49,085	30,290	7,967	107,875	36,600	1.50	36,061
1933.	85,402	34,727	50,674	30,575	8,940	102,601	37,163	1.47	36,038

¹ Of 2,000 pounds

² Of 42 gallons.

³ Partly estimated.

Sources Table 364, Bureau of Mines, Department of the Interior, Table 365, 1902 to 1917, Bureau of the Census, Department of Commerce, thereafter, Geological Survey, Department of the Interior

No. 366.—PRODUCTION OF ELECTRIC POWER AND CAPACITY OF GENERATORS IN PUBLIC UTILITY POWER PLANTS: BY STATES

[Production in millions of kilowatt-hours; capacity of generators in thousands of kilowatts]

Division and State	Production of electric power										Cap- acity of gener- ators, 1933
	Total						Generated by water power		Generated by fuel power		
	1920	1925	1930	1931	1932	1933	1932	1933	1932	1933	
United States.....	43,555	65,870	95,936	91,729	83,153	85,402	34,088	34,727	49,055	50,674	38,038
New England.....	3,407	4,824	6,400	6,389	5,724	6,067	2,851	2,852	2,873	3,414	2,948
Maine.....	352	509	731	842	770	825	764	810	6	15	262
New Hampshire.....	97	264	367	593	700	599	658	550	43	49	281
Vermont.....	200	258	480	464	521	432	521	432	(1)	(1)	178
Massachusetts.....	1,740	2,378	2,908	2,738	2,441	2,595	623	572	1,818	2,023	1,344
Rhode Island.....	334	408	547	436	251	442	4	5	247	437	243
Connecticut.....	684	1,007	1,367	1,315	1,040	1,174	281	284	780	890	640
Middle Atlantic.....	12,349	18,299	25,136	24,403	22,690	22,977	6,578	6,891	16,113	16,087	9,261
New York.....	6,939	10,267	14,404	13,839	13,243	12,988	5,380	5,276	7,863	7,712	5,448
New Jersey.....	1,096	1,506	2,857	3,310	3,000	3,202	23	30	3,087	3,171	1,064
Pennsylvania.....	4,314	6,526	7,875	7,255	6,388	6,787	1,175	1,584	5,213	5,204	2,739
East North Central.....	9,958	15,715	22,185	20,639	18,168	18,856	2,207	2,103	15,962	16,762	8,022
Ohio.....	2,930	4,387	5,942	5,500	4,960	5,415	28	27	4,932	5,388	2,161
Indiana.....	933	1,484	2,943	2,879	2,502	2,513	125	133	2,377	2,380	1,038
Illinois.....	3,043	5,269	6,851	6,333	5,452	5,632	242	247	5,210	5,385	2,333
Michigan.....	2,093	3,031	4,270	3,885	3,418	3,484	1,020	984	2,398	2,500	1,624
Wisconsin.....	960	1,542	2,159	1,983	1,836	1,813	792	713	1,044	1,100	847
West North Central.....	3,179	4,254	5,982	5,883	5,534	5,505	1,605	1,564	3,929	3,940	2,675
Minnesota.....	703	1,046	1,311	1,304	1,152	1,162	481	447	671	714	583
Iowa.....	1,017	1,195	1,574	1,499	1,527	1,394	762	632	765	762	590
Missouri.....	698	866	1,269	1,314	1,210	1,289	287	401	923	888	708
North Dakota.....	28	39	125	137	137	139	—	—	137	139	75
South Dakota.....	48	75	114	102	88	86	12	10	76	75	67
Nebraska.....	247	366	575	595	551	556	37	47	514	508	252
Kansas.....	438	667	1,014	932	870	879	26	26	844	853	400
South Atlantic.....	3,980	6,272	10,895	10,197	9,398	10,144	5,582	6,088	3,836	4,058	4,395
Delaware.....	76	102	18	5	6	6	—	—	6	6	9
Maryland.....	283	573	1,899	1,704	1,691	1,753	1,288	1,470	403	283	619
District of Columbia.....	255	350	548	580	607	468	11	11	596	457	264
Virginia.....	521	802	1,231	1,127	1,026	1,060	339	345	688	744	457
West Virginia.....	1,128	1,643	2,103	1,919	1,540	1,732	146	181	1,394	1,550	593
North Carolina.....	260	942	2,298	2,000	1,617	1,957	1,551	1,720	66	237	998
South Carolina.....	730	882	1,202	1,372	1,323	1,313	1,284	1,205	39	108	654
Georgia.....	595	661	937	838	980	1,212	900	1,116	80	96	467
Florida.....	133	318	688	652	607	613	42	38	565	575	365
East South Central.....	1,464	2,610	3,882	3,908	3,556	3,399	2,979	2,836	577	564	1,674
Kentucky.....	276	475	719	752	682	660	392	389	290	271	342
Tennessee.....	573	875	1,037	1,123	1,039	976	833	766	207	211	426
Alabama.....	550	1,169	2,065	1,980	1,784	1,712	1,734	1,680	29	32	840
Mississippi.....	66	91	62	53	51	50	—	—	51	50	65
West South Central.....	1,230	2,202	5,055	4,499	4,148	4,256	158	188	3,893	4,069	1,751
Arkansas.....	119	189	108	105	149	165	107	129	41	36	148
Louisiana.....	219	350	1,067	1,085	1,085	1,097	—	—	1,085	1,097	312
Oklahoma.....	214	394	958	783	706	728	3	3	703	725	336
Texas.....	679	1,268	2,922	2,527	2,208	2,267	46	56	2,163	2,211	955
Mountain.....	2,581	3,127	3,699	3,265	2,580	2,771	1,925	2,213	605	557	1,190
Montana.....	1,126	1,263	1,320	966	635	923	618	905	17	18	311
Idaho.....	591	754	1,121	796	585	595	554	594	1	(1)	227
Wyoming.....	47	56	98	95	85	79	29	27	56	52	44
Colorado.....	397	523	573	529	478	459	188	185	292	275	236
New Mexico.....	15	22	76	180	158	157	2	2	156	156	85
Arizona.....	159	131	384	404	281	296	210	245	70	51	143
Utah.....	212	340	293	276	275	237	265	236	10	1	134
Nevada.....	34	40	43	19	33	24	30	20	3	4	11
Pacific.....	5,408	8,569	12,723	12,545	11,404	11,428	10,237	10,193	1,167	1,235	4,132
Washington.....	1,197	1,623	2,555	2,572	2,487	2,439	2,432	2,390	55	48	885
Oregon.....	476	730	1,219	1,177	969	965	881	889	88	76	336
California.....	3,736	6,216	8,948	8,796	7,949	8,023	6,924	6,913	1,024	1,110	2,912

¹ Less than 500,000 kilowatt-hours

Source: Geological Survey, Department of the Interior

No. 367.—CENTRAL ELECTRIC STATIONS EQUIPMENT, EMPLOYEES, OUTPUT AND SALES

NOTE.—A central electric station, commercial or municipal, is one either generating and selling electrical energy, or selling only, to public or private consumers. Figures do not include establishments which consume all current generated, such as mines, factories, hotels, and other enterprises not in the nature of public utilities, nor plants operated by the Federal Government or by States unless energy is sold commercially. No data are included for electric-railway power plants unless part of the current generated is sold. There is considerable duplication in total sales, since they include energy sold for resale. Amount sold is considerably less than current generated due to line losses, etc.

	All central electric stations					
	1902	1912	1917	1922	1927	1932
Number of establishments ¹	3, 620	5, 221	6, 542	6, 355	4, 335	3, 429
Prime movers, horsepower.....thousands..	1, 845	7, 530	12, 837	19, 851	35, 710	47, 987
Steam engines.....	1, 394	1, 895	1, 702	1, 371	994	650
Steam turbines.....		3, 054	6, 747	12, 355	24, 323	32, 904
Water wheels and hydroturbines.....	439	2, 469	4, 277	5, 822	9, 844	13, 532
Internal-combustion engines.....	12	111	210	303	548	881
Generators.....						
Number.....	12, 484	12, 610	13, 428	12, 701	11, 967	11, 111
Kilowatt capacity.....thousands..	1, 212	5, 165	8, 994	14, 313	25, 811	34, 623
Output.....millions of kilowatt-hours.....		14, 183	31, 044	50, 274	96, 829	111, 716
Generated.....	2, 507	11, 569	25, 438	40, 292	74, 687	79, 057
Purchased.....	(²)	2, 614	5, 606	9, 983	22, 142	32, 059
Sold.....	(²)	(²)	25, 752	41, 965	79, 011	88, 265
To ultimate consumers.....	(²)	(²)	(²)	32, 948	63, 612	65, 896
For resale.....	(²)	(²)	(²)	9, 017	15, 399	22, 369
Number of customers.....thousands..	(²)	3, 838	7, 179	12, 710	21, 790	23, 862
Salaried employees.....number.....	6, 996	26, 093	35, 406	55, 112	101, 415	110, 453
Salaries.....1,000 dollars.....	5, 664	24, 307	36, 788	86, 951	(³)	(³)
Wage earners.....number.....	⁴ 23, 330	⁴ 53, 242	⁴ 70, 135	⁴ 95, 650	⁴ 149, 605	⁴ 134, 120
Wages.....1,000 dollars.....	14, 983	36, 855	58, 454	125, 481	(³)	(³)

¹ The term "establishment" as here used may represent a single electric station (either generating or distributing or both) or a number of such stations operated under the same ownership.

² Figures not available.

³ Salaries and wages were not reported for 1927 by municipal plants. Commercial plants reported 95,917 salaried employees, with salaries amounting to \$166,341,000, and 138,796 wage earners, with wages amounting to \$201,291,000.

⁴ Schedule did not call for segregation of salaries and wages. The total amount reported was \$323,880,000, of which \$303,058,000 was reported by commercial establishments and \$20,822,000 by municipal.

⁵ Average number for the year.

⁶ Number Sept. 16, 1912, Sept. 29, 1917, June 30, 1922, 1927, and 1932, or nearest representative day.

No. 368.—CENTRAL ELECTRIC STATIONS: EQUIPMENT, EMPLOYEES, AND FINANCES OF COMMERCIAL AND MUNICIPAL ESTABLISHMENTS

NOTE.—See headnote to Table 367.

	Commercial establishments				Municipal establishments			
	1917	1922	1927	1932	1917	1922	1927	1932
Number of establishments.....	4, 224	3, 774	2, 137	1, 627	2, 318	2, 581	2, 198	1, 802
Horsepower of prime movers.....thousands..	12, 078	18, 571	33, 661	45, 191	859	1, 280	2, 049	2, 776
Capacity of generators.....thousands of kw.....	8, 412	13, 407	24, 383	32, 648	582	906	1, 428	1, 975
Output, millions of kw-hrs.....	29, 812	47, 533	92, 299	106, 329	1, 232	2, 441	4, 529	5, 387
Generated.....	24, 399	38, 413	71, 307	75, 692	1, 039	1, 978	3, 379	3, 965
Purchased.....	5, 413	9, 420	20, 992	30, 637	193	563	1, 150	1, 422
Sold.....								
To ultimate consumers.....	24, 723	30, 941	60, 537	62, 148	1, 029	2, 007	3, 075	3, 748
For resale.....		8, 971	14, 808	21, 789		45	591	580
Customers.....thousands.....	6, 202	11, 065	19, 661	21, 634	977	1, 645	2, 129	2, 228
Employees.....number.....	94, 679	136, 105	234, 747	225, 557	10, 862	14, 657	16, 273	19, 016
Income.....1,000 dollars.....	486, 634	986, 684	¹ 1, 841, 227	¹ 2, 030, 997	40, 260	85, 436	² 123, 437	¹ 126, 298
Expenses.....do.....	395, 127	792, 496	³ 1, 318, 255	³ 1, 477, 139	31, 441	67, 129	(⁴)	³ 89, 217
Assets.....do.....	3, 631, 973	5, 504, 614	12, 950, 388	17, 032, 540	148, 345	288, 623	(⁴)	710, 143
Value of plant and equipment.....1,000 dollars..	2, 933, 017	4, 229, 356	⁵ 8,880, 291	⁶ 12,124,807	127, 375	235, 660	417, 167	⁶ 539, 570

¹ Includes net income from utilities other than electric and nonoperating income.

² Operating revenues only.

³ Includes other deductions from gross income.

⁴ Not called for on schedule.

⁵ Includes plant and equipment valued at \$902,057,000, not separated as to electric light and power and other properties.

⁶ Reported as fixed capital.

Source of Tables 367 and 368. Bureau of the Census, Department of Commerce.

No. 369—CENTRAL ELECTRIC STATIONS· STATISTICS OF

[See headnote]

Division and State	Horsepower of prime movers (thousands)				Thousands of kilowatt-hours generated			
	Total		Steam engines and tur- bines and internal- combustion engines, 1932	Water wheels and hydro- turbines, 1932	1912	1917	1922	1927
	1927	1932						
Continental U.S.	35,710	47,967	34,435	13,532	11,569,110	25,438,303	40,291,536	74,686,378
New England.....	3,009	3,643	2,422	1,221	865,380	1,835,584	2,969,971	4,750,194
Maine.....	252	353	75	278	117,093	165,504	278,456	560,664
New Hampshire.....	157	421	85	336	126,594	160,456	94,864	226,444
Vermont.....	204	1,599	1,344	255	42,660	65,080	217,718	338,528
Massachusetts.....	1,529	1,590	1,354	236	386,254	937,125	1,493,328	2,245,301
Rhode Island.....	264	(1)	(1)	(1)	62,107	161,856	341,592	411,074
Connecticut.....	603	680	564	116	130,672	345,563	544,013	968,182
Middle Atlantic.....	8,615	11,310	9,250	2,060	3,548,605	7,659,318	10,765,515	18,281,645
New York.....	4,212	6,276	4,689	1,587	2,175,049	3,828,592	5,430,772	9,917,686
New Jersey.....	1,004	1,426	1,419	7	383,891	781,231	1,058,090	1,861,985
Pennsylvania.....	3,399	3,608	3,142	466	989,665	3,049,495	4,276,653	7,501,975
East North Central.....	8,668	11,366	10,393	973	2,527,964	5,757,150	8,368,280	18,211,895
Ohio.....	2,354	2,917	2,895	22	399,101	1,083,514	2,404,492	4,724,016
Indiana.....	870	1,331	1,282	49	236,944	441,423	795,271	1,746,153
Illinois.....	2,904	3,698	3,623	75	1,150,900	2,210,373	3,089,504	6,075,352
Michigan.....	1,619	2,235	1,773	462	525,616	1,504,240	2,102,686	3,773,636
Wisconsin.....	921	1,185	820	365	215,403	517,600	976,307	1,892,737
West North Central.....	2,671	3,655	3,022	633	712,595	1,776,475	2,968,757	4,549,264
Minnesota.....	516	659	484	175	186,045	440,932	588,838	843,357
Iowa.....	649	843	632	211	67,166	614,809	858,543	1,429,170
Missouri.....	648	1,022	817	205	232,829	266,431	700,642	891,179
North Dakota.....	56	104	104	-----	12,298	22,978	40,221	59,409
South Dakota.....	70	99	92	7	24,704	31,810	61,524	90,407
Nebraska.....	250	349	329	20	56,300	129,531	245,919	405,056
Kansas.....	482	579	564	15	133,253	269,984	473,070	830,685
South Atlantic.....	4,394	6,130	3,295	2,835	729,896	1,745,295	3,789,434	8,445,217
Delaware.....	-----	-----	-----	-----	-----	-----	-----	-----
Maryland.....	695	1,227	825	402	118,035	326,440	622,359	1,102,188
Dist. of Columbia.....	-----	-----	-----	-----	-----	-----	-----	-----
Virginia.....	502	568	438	130	28,724	107,581	319,206	973,766
West Virginia.....	755	731	648	83	42,345	204,108	1,199,378	1,902,820
North Carolina.....	773	1,381	476	905	70,552	371,711	404,428	2,036,122
South Carolina.....	700	940	199	741	356,772	500,431	844,417	1,116,267
Georgia.....	609	748	196	552	87,572	184,136	268,256	746,074
Florida.....	360	535	513	22	25,896	50,888	131,390	567,980
East South Central.....	1,447	2,051	1,026	1,025	227,665	1,048,615	1,419,834	2,777,268
Kentucky.....	395	455	314	141	75,593	122,631	231,507	505,564
Tennessee.....	456	579	289	290	75,545	564,914	492,507	936,874
Alabama.....	508	926	332	594	48,603	330,772	633,853	1,270,159
Mississippi.....	88	91	91	-----	27,924	30,498	61,937	64,671
West South Central.....	1,563	2,472	2,351	121	233,948	482,646	1,041,393	3,275,021
Arkansas.....	131	207	118	89	17,787	38,645	84,469	174,198
Louisiana.....	277	467	467	-----	18,328	26,009	52,156	634,594
Oklahoma.....	300	471	468	3	48,824	100,738	242,509	654,513
Texas.....	855	1,327	1,298	29	149,009	317,254	662,259	1,811,716
Mountain.....	1,406	1,675	572	1,103	845,394	2,036,195	2,209,444	3,389,551
Montana.....	378	452	28	424	379,213	965,454	988,009	1,398,749
Idaho.....	307	308	5	303	115,812	145,308	531,134	713,214
Wyoming.....	48	50	47	3	11,580	27,391	38,736	67,070
Colorado.....	269	311	220	91	165,196	274,224	290,082	499,566
New Mexico.....	33	(1)	(1)	(1)	9,028	17,245	22,362	32,674
Arizona.....	153	333	205	128	32,960	65,732	147,391	280,267
Utah.....	199	201	61	140	86,635	486,995	146,337	340,873
Nevada.....	19	20	6	14	44,970	53,846	45,393	57,137
Pacific.....	3,937	5,665	2,104	3,561	1,877,663	3,096,825	5,758,928	10,006,324
Washington.....	848	1,230	304	926	71,415	242,371	1,144,069	2,105,289
Oregon.....	308	537	260	277	58,789	107,887	266,861	840,063
California.....	2,781	3,898	1,540	2,353	1,747,459	2,746,567	4,347,998	7,060,973

¹ Rhode Island included with Vermont² West Virginia included with Delaware, District of Columbia, and Maryland.

COMMERCIAL AND MUNICIPAL ESTABLISHMENTS, BY STATES

to Table 367]

Thousands of kilowatt-hours generated—Continued			Thousands of kilowatt-hours sold, 1932		Revenue (in thousands of dollars), 1932		Division and State
1932	Commercial establishments, 1932	Municipal establishments, 1932	To ultimate consumers	For resale	From sale of electric current to ultimate consumers	From electric current sold for resale	
79,657,487	75,692,668	3,964,799	65,895,976	22,369,097	1,821,106	154,198	Continental U.S.
5,330,234	5,224,337	105,897	4,487,961	3,632,230	155,042	27,756	New England.
762,112	758,343	3,769	624,686	53,011	12,326	507	Maine.
680,607	678,643	1,963	207,198	514,453	7,921	4,118	New Hampshire.
¹ 811,459	¹ 785,902	¹ 15,558	¹ 545,301	¹ 636,663	¹ 19,209	¹ 4,340	Vermont.
2,158,486	2,085,461	73,025	2,194,464	2,094,556	82,785	15,015	Massachusetts.
(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	Rhode Island.
917,571	905,988	11,582	916,311	333,547	32,801	3,776	Connecticut.
20,340,795	20,177,114	163,681	18,126,798	3,840,418	540,983	18,836	Middle Atlantic.
10,976,564	10,874,359	102,204	9,337,071	1,531,496	285,089	6,366	New York.
2,990,679	2,978,793	11,886	2,141,050	324,712	85,383	979	New Jersey.
6,373,552	6,323,962	49,591	6,648,678	1,984,208	170,511	11,491	Pennsylvania.
18,108,043	17,081,475	1,074,568	14,894,151	6,652,397	413,047	48,015	East North Central
4,868,954	4,569,663	299,290	3,996,804	1,188,523	110,417	8,003	Ohio.
2,422,940	2,247,557	175,383	1,439,080	1,473,384	45,461	11,342	Indiana.
5,446,743	5,240,302	206,441	5,241,428	3,127,590	138,552	21,539	Illinois.
3,532,623	3,203,684	328,939	2,901,927	207,036	76,476	1,915	Michigan.
1,834,784	1,770,269	64,515	1,314,912	655,865	42,141	5,216	Wisconsin.
5,357,887	4,825,708	532,179	4,754,347	1,112,598	155,135	10,825	West North Central.
995,182	915,139	80,044	1,001,878	107,543	33,152	1,994	Minnesota.
1,483,096	1,402,843	80,253	740,899	208,597	28,436	2,527	Iowa.
1,214,488	1,132,544	81,945	1,766,384	562,855	47,429	3,334	Missouri.
140,316	133,403	6,913	79,088	14,245	4,749	138	North Dakota.
87,402	67,072	20,330	96,845	13,502	5,521	285	South Dakota.
561,795	489,126	72,669	438,224	100,218	15,262	1,262	Nebraska.
875,607	685,582	190,025	631,029	105,637	20,586	1,285	Kansas.
9,458,694	9,191,666	266,829	6,750,375	2,637,718	161,092	19,141	South Atlantic.
2,231,617	2,211,778	19,839	2,464,156	1,070,274	58,325	7,513	Delaware.
962,318	912,084	50,234	814,387	81,447	21,812	480	Maryland.
1,442,443	1,442,305	138	(²)	(²)	(²)	(²)	Dist. of Columbia.
1,651,235	1,609,387	41,847	1,288,397	922,851	25,030	6,211	Virginia.
1,294,883	1,293,920	964	763,879	466,152	13,182	3,737	West Virginia.
1,269,290	1,257,166	12,124	958,742	56,615	21,978	745	North Carolina.
606,909	465,225	141,683	460,815	40,380	20,765	455	South Carolina.
2,983,770	2,814,604	79,166	2,890,544	733,803	65,156	5,111	Georgia.
681,947	660,942	21,005	626,734	240,139	19,716	5,120	Florida.
1,050,405	1,022,065	28,340	1,054,271	33,670	20,365	260	East South Central
1,209,646	1,207,681	1,965	1,010,552	457,405	17,527	3,280	Kentucky.
51,773	23,916	27,856	198,988	2,589	7,548	51	Tennessee.
4,308,491	4,111,943	196,548	3,463,757	1,057,048	101,467	7,508	Alabama.
155,020	137,266	17,754	283,022	59,037	9,357	849	Mississippi.
1,171,951	1,125,864	46,087	639,769	518,579	17,053	2,907	West South Central.
725,488	669,054	56,434	610,265	108,882	19,781	1,103	Arkansas.
2,256,031	2,179,758	76,273	1,930,701	370,551	55,276	2,649	Louisiana.
2,346,832	2,266,345	80,487	1,958,421	363,173	52,302	3,032	Oklahoma.
635,520	635,166	355	801,460	316,133	17,801	245	Texas.
479,220	458,052	15,238	295,091	211,520	2,820	1,070	Mountain.
74,587	73,681	1,016	62,070	6,705	14,154	411	Montana.
437,330	394,157	43,173	345,608	25,414	(¹)	(¹)	Idaho.
(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	Wyoming.
⁴ 412,616	⁴ 411,461	⁴ 1,155	⁴ 266,987	⁴ 100,200	⁴ 8,952	⁴ 1,078	Colorado.
275,846	256,495	19,350	(³)	(³)	(³)	(³)	New Mexico.
37,634	37,433	200	86,205	3,200	2,373	48	Arizona.
11,414,720	9,949,276	1,465,444	8,569,621	2,339,714	178,882	13,974	Utah.
2,544,767	1,679,690	565,677	1,835,963	535,572	23,904	2,874	Nevada.
938,614	928,985	39,679	742,723	78,017	15,712	705	Pacific
7,901,339	7,040,251	861,088	5,960,934	1,726,125	132,266	10,395	Washington.
							Oregon.
							California.

³ Utah included with Montana.⁴ New Mexico included with Arizona.

Source. Bureau of the Census, Department of Commerce.

No. 370.—CENTRAL ELECTRIC STATIONS, COMMERCIAL AND MUNICIPAL ESTABLISHMENTS: NUMBER OF CUSTOMERS, CURRENT SOLD, AND REVENUE (ULTIMATE CONSUMERS ONLY), BY CLASS OF SERVICE, 1932

Class of service	Total	Commer- cial	Municipal	Total	Commer- cial	Municipal
	Number of customers			Current sold (thousands of kilowatt-hours)		
Total.....	23, 858, 411	21, 630, 662	2, 227, 749	65, 895, 976	62, 147, 695	3, 748, 281
Farm service (all uses).....	613, 753	592, 692	21, 061	1, 504, 257	1, 488, 106	16, 151
Domestic service.....	19, 285, 560	17, 337, 876	1, 947, 684	11, 790, 140	10, 410, 750	1, 379, 390
Commercial service.....						
Small light and power (retail).....	3, 527, 794	3, 284, 326	243, 468	12, 059, 464	10, 793, 768	1, 265, 696
Large light and power (wholesale).....	379, 402	365, 038	14, 364	32, 380, 076	31, 931, 213	448, 863
Municipal street lighting.....	29, 832	28, 997	835	2, 235, 668	1, 746, 288	489, 380
Railroads (motive power).....						
Street and interurban.....	474	454	20	4, 392, 943	4, 348, 207	44, 736
Electrified steam railroad divisions.....	367	363	4	762, 205	762, 115	90
Other service.....	21, 229	20, 916	313	771, 223	667, 248	103, 975
Total.....	Current sold per customer (kilowatt-hours)			Revenue from electric service (thousands of dollars)		
	2, 762	2, 873	1, 683	1, 821, 106	1, 703, 304	117, 802
Farm service (all uses).....	2, 451	2, 511	767	42, 774	41, 875	899
Domestic service.....	611	600	708	649, 765	584, 995	64, 770
Commercial service.....						
Small light and power (retail).....	3, 418	3, 286	5, 199	491, 852	459, 441	32, 411
Large light and power (wholesale).....	85, 345	87, 474	31, 264	483, 391	475, 739	7, 652
Municipal street lighting.....	74, 942	60, 223	586, 084	92, 011	81, 795	10, 216
Railroads (motive power).....						
Street and interurban.....	9, 267, 813	9, 577, 550	2, 236, 782	38, 777	38, 297	480
Electrified steam railroad divisions.....	2, 076, 852	2, 099, 491	22, 379	7, 019	7, 016	3
Other service.....	36, 329	31, 901	332, 187	15, 517	14, 146	1, 371
Total.....	Revenue per customer (dollars)			Revenue per kilowatt-hour (cents)		
	76	79	53	2 8	2 7	3 1
Farm service (all uses).....	70	71	43	2 8	2 8	5 6
Domestic service.....	34	34	33	5 5	5 6	4 7
Commercial service.....						
Small light and power (retail).....	139	140	133	4 1	4 3	2 6
Large light and power (wholesale).....	1, 274	1, 303	532	1 5	1 5	1 7
Municipal street lighting.....	3, 084	2, 821	12, 234	4 1	4 7	2 1
Railroads (motive power).....						
Street and interurban.....	81, 808	84, 354	24, 014	. 9	. 9	1 1
Electrified steam railroad divisions.....	19, 124	19, 326	794	. 9	. 9	3 5
Other service.....	731	676	4, 381	2 0	2 1	1 3

Source: Bureau of the Census, Department of Commerce

No. 371.—AVERAGE RETAIL PRICES OF ELECTRICITY FOR HOUSEHOLD USE [Cents per kilowatt-hour]

December	Net price	December	Net price	December	Net price	December	Net price
1913.....	8 1	1919.....	7 5	1925.....	7 3	1931.....	6 5
1914.....	7 8	1920.....	7 7	1926.....	7 2	1932.....	6 5
1915.....	7 6	1921.....	7 7	1927.....	7 1	1933.....	6 1
1916.....	7 4	1922.....	7 5	1928.....	6 9		
1917.....	7 2	1923.....	7 4	1929.....	6 7		
1918.....	7 6	1924.....	7 4	1930.....	6 6		

Source: Bureau of Labor Statistics, Department of Labor.

No. 372.—CENTRAL ELECTRIC STATIONS: FINANCIAL STATISTICS

[All figures in thousands of dollars See headnote to Table 367]

	Commercial establishments						Municipal establishments
	1902	1912	1917	1922	1927	1932	1932
INCOME ACCOUNT							
Income, total.....	78, 736	279, 054	486, 634	886, 684	1,841,227	12, 030, 897	126, 298
Electric service, total.....	77, 350	264, 475	462, 474	886, 852	1, 680, 218	1, 854, 110	121, 194
Commercial and domestic light and power.....	57, 195	205, 974	373, 280	773, 111	1, 424, 998	1, 576, 197	107, 103
Municipal lighting.....	16, 130	27, 131	31, 462	40, 854	66, 141	81, 795	10, 215
Sales to other public service corporations.....	4, 025	30, 857	57, 207	122, 321	189, 070	196, 118	3, 876
Value of free service.....	(⁶)	513	525	566	(⁶)	(⁶)	(⁶)
Interest and dividends from investments.....	(⁶)	4, 869	8, 807	16, 527	53, 959	61, 060	692
Other sources.....	1, 386	9, 710	15, 353	33, 305	1107, 050	1115, 827	14, 412
Expenses, total.....	62, 835	217, 660	395, 127	792, 496	1,318,255	11,477,139	89, 217
Fuel.....	10, 190	30, 502	78, 286	146, 323	157, 912	102, 560	9, 823
Current purchased.....	2, 007	16, 913	35, 733	79, 637	143, 711	161, 121	17, 779
Supplies, materials, and miscellaneous.....	14, 751	27, 565	48, 118	80, 492	121, 529	209, 730	20, 908
Rent of offices, conduits, etc.....	1, 272	4, 214	9, 881	18, 626	(⁵)	(⁵)	(⁵)
Salaries and wages.....	18, 767	55, 659	86, 473	194, 148	367, 632	303, 058	20, 822
Taxes.....	2, 655	13, 117	29, 897	73, 128	150, 253	203, 858	1, 292
Injuries, damages, insurance.....	1, 074	3, 316	5, 145	10, 209	(⁵)	(⁵)	(⁵)
Interest.....	12, 119	46, 865	71, 145	125, 596	269, 602	354, 165	7, 193
Depreciation.....	(⁶)	17, 989	26, 292	59, 273	197, 616	142, 647	11, 400
Sinking and reserve funds.....	(⁶)	1, 520	4, 157	5, 061	(⁶)	(⁶)	(⁶)

¹ Includes net income from utilities other than electric and nonoperating income² Includes revenue for farm service, \$41,875,000, domestic service, \$584,995,000, small light and power (retail), \$459,441,000, large light and power (wholesale), \$475,739,000; and other service, \$14,146,000³ Includes revenue for farm service, \$899,000, domestic service, \$64,769,000, small light and power (retail), \$32,412,000, large light and power (wholesale), \$7,652,000, and other service, \$1,371,000⁴ Includes revenue for street and interurban railways, \$38,297,000, electrified steam-railroad divisions, \$7,015,000; and total for resale, \$150,806,000⁵ Includes revenue for street and interurban railways, \$480,000, electrified steam-railroad divisions, \$3,000, and total for resale, \$3,393,000⁶ Not called for on schedule⁷ Includes other deductions from gross income⁸ No comparable data

Source Bureau of the Census, Department of Commerce.

No. 373.—PROPORTION OF "ELECTRIFICATION" OF FACTORY POWER EQUIPMENT

Item	Horsepower (thousands)				
	1914	1923	1925	1927	1929
Combined capacity of prime movers and electric motors using purchased current.....	22, 291	33, 094	35, 773	38, 826	42, 931
Electric motors operated by prime movers owned by factories.....	4, 939	8, 822	10, 255	11, 220	12, 376
Estimated capacity of prime movers used to actuate these motors.....	3, 550	6, 350	7, 380	8, 070	8, 910
Electric motors using purchased current.....	3, 885	13, 366	15, 869	19, 132	22, 776
Total last two items, "Electrified" equipment.....	7, 435	19, 716	23, 249	27, 202	31, 686
Percent of total power equipment.....	33	60	65	70	74
Capacity of all prime movers in factories.....	18, 406	19, 729	19, 904	19, 693	20, 155

Source Basic figures from Bureau of the Census.

No. 374.—DEVELOPED AND POTENTIAL WATER POWER

NOTE.—In thousands of horsepower. Data for developed water power cover capacity of actual installation of water wheels and turbines in plants of 100 horsepower or more. The figures for potential power are estimates showing the 24-hour horsepower available 90 per cent of the time and 50 per cent of the time at an over-all efficiency of 70 per cent at all developed and undeveloped sites. These figures for potential power are not directly comparable with those for developed power, because developed power is usually given in terms of the capacity of installed water wheels or turbines, which may be several times the potential power available 90 per cent of the time. Probably with complete development of the water-power resources of the whole country the installed capacity would amount to 80,000,000 horsepower or more.

Division and State	Developed water power (capacity of actual installation)							Potential water power available—	
	November, 1921	March, 1925	January, 1930	January, 1931	January, 1932	January, 1933	January, 1934	90 per cent of the time	50 per cent of the time
Continental U. S.	7, 927	10, 048	13, 808	14, 885	15, 563	15, 818	15, 913	33, 110	59, 166
New England	1, 311	1, 399	1, 643	1, 898	1, 939	1, 947	2, 004	998	1, 978
Maine	450	477	541	579	613	613	613	536	1, 074
New Hampshire	229	243	278	553	559	559	572	186	350
Vermont	130	168	260	202	202	202	192	80	169
Massachusetts	338	344	362	362	362	368	423	106	235
Rhode Island	30	30	30	30	30	30	29	25	40
Connecticut	134	138	172	171	172	174	175	65	110
Middle Atlantic	1, 479	1, 958	2, 113	2, 212	2, 302	2, 396	2, 421	4, 378	6, 050
New York	1, 292	1, 714	1, 805	1, 904	1, 892	1, 900	1, 885	4, 010	4, 960
New Jersey	17	19	18	18	17	17	17	50	90
Pennsylvania	170	226	291	291	392	478	520	313	1, 000
East North Central	739	885	1, 075	1, 092	1, 103	1, 139	1, 186	742	1, 488
Ohio	29	30	30	25	21	22	23	55	166
Indiana	27	51	55	54	54	55	55	45	145
Illinois	85	87	95	96	94	94	88	189	361
Michigan	267	305	379	399	414	444	464	103	274
Wisconsin	331	413	517	519	520	524	555	285	480
West North Central	444	515	551	567	765	767	762	929	1, 937
Minnesota	205	263	287	286	287	287	287	203	401
Iowa	173	177	181	182	182	184	183	169	395
Missouri	18	20	23	37	235	235	235	67	152
North Dakota	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	32	193
South Dakota	18	19	19	20	20	20	20	121	203
Nebraska	15	21	24	25	24	24	24	183	342
Kansas	15	14	16	16	16	16	13	104	251
South Atlantic	1, 062	1, 594	2, 657	2, 918	2, 968	2, 979	3, 036	2, 924	5, 048
Delaware	3	3	1	1	1	1	1	5	10
Maryland	7	7	416	416	416	416	409	6	238
Dist. of Columbia	1	1	6	6	6	6	6	1	1
Virginia	104	118	126	135	153	155	152	459	812
West Virginia	15	15	89	87	87	87	87	355	950
North Carolina	330	535	947	954	961	971	971	862	1, 160
South Carolina	330	507	574	816	810	810	811	555	860
Georgia	286	400	473	482	512	512	578	572	958
Florida	7	9	25	22	21	21	20	20	30
East South Central	241	392	1, 109	1, 364	1, 364	1, 364	1, 298	1, 328	2, 272
Kentucky	1	1	145	145	145	145	145	172	280
Tennessee	127	166	179	288	288	288	288	654	882
Alabama	113	224	845	931	931	931	865	472	1, 050
Mississippi	16	31	49	49	134	150	150	30	60
West South Central	1	16	16	16	95	95	95	559	1, 110
Arkansas	1	16	16	16	95	95	95	200	300
Louisiana	2	2	3	3	3	3	2	1	2
Oklahoma	13	14	31	31	37	53	53	70	194
Texas	827	937	1, 185	1, 217	1, 216	1, 212	1, 206	10, 844	15, 514
Mountain	344	360	419	429	428	429	428	2, 550	3, 700
Montana	224	299	358	357	355	348	348	2, 122	4, 032
Idaho	8	8	19	25	25	23	23	704	1, 182
Wyoming	92	91	98	98	98	102	101	873	1, 609
Colorado	1	1	2	2	1	2	2	116	186
New Mexico	39	49	120	137	137	137	137	2, 759	2, 887
Arizona	106	115	156	157	158	158	156	1, 420	1, 586
Utah	13	14	14	14	14	14	14	300	370
Nevada	1, 789	2, 338	3, 365	3, 568	3, 772	3, 865	3, 848	15, 413	23, 793
Pacific	454	561	766	892	1, 011	1, 037	1, 037	7, 145	11, 225
Washington	185	244	299	354	354	364	364	3, 665	5, 894
Oregon	1, 149	1, 531	2, 301	2, 321	2, 407	2, 448	2, 447	4, 603	6, 674
California									
Outlying areas:									
Alaska		40	36	36	36	37	37	1, 000	2, 500
Hawaii		25	32	32	32	26	26	19	28
Puerto Rico		15	15	30	30	30	30	100	200

¹ Less than 500.² Bartlett's Ferry plant changed from Alabama to Georgia.³ Capacity in 1933.⁴ Capacity in 1928.⁵ Capacity in 1925.⁶ Capacity in 1931.

Source Geological Survey, Department of the Interior

19.—PUBLIC ROADS AND MOTOR VEHICLES

No. 375.—RURAL ROADS IN THE UNITED STATES

NOTE.—Mileage data included for county and township roads in 1921 and 1926 were secured from county records; data for other years shown in this and subsequent tables contain some estimates and are not as accurate as to detail. Data in most cases refer to calendar years, there are, however, exceptions in some States. Data relate to continental United States only, except as noted

Item	1921	1926	1929	1930	1931 ¹	1932 ¹
Total mileage at end of year:						
All types.....	2,941,234	3,000,190	3,024,233	3,009,066	-----	-----
Earth roads.....	2,553,534	2,450,126	2,361,798	2,315,507	-----	-----
Surfaced roads.....	387,760	550,064	662,435	693,559	-----	-----
Low type ²	340,583	467,077	549,981	567,851	-----	-----
High type ²	³ 47,177	82,987	112,454	125,708	-----	-----
Total mileage built during year:						
All types.....	110,976	116,413	78,003	87,717	-----	-----
Earth roads (graded and drained).....	⁴ 69,804	60,059	23,128	24,370	-----	-----
Surfaced roads ⁵	41,172	56,354	54,875	63,347	-----	-----
Low type ²	33,083	46,746	42,548	48,397	-----	-----
High type ²	⁶ 8,089	9,608	12,327	14,950	-----	-----
Mileage of State highway systems at end of year: ⁷						
All types.....	-----	287,928	314,138	324,496	328,942	358,210
Earth roads.....	-----	124,869	105,812	98,275	86,242	92,150
Surfaced roads.....	-----	163,059	208,324	226,221	242,700	266,060
Low type ²	-----	109,110	133,211	142,109	146,359	156,325
High type ²	-----	53,949	75,113	84,112	96,341	109,735
Mileage of State highway systems built during year: ⁷						
All types.....	-----	27,387	32,522	35,277	44,634	35,971
Earth roads (graded and drained).....	-----	7,060	7,451	7,813	10,095	6,394
Surfaced roads ⁵	-----	20,327	25,071	27,464	34,539	29,577
Low type ²	-----	14,199	16,224	16,677	22,026	19,568
High type ²	-----	6,128	8,847	10,787	12,513	10,009
Funds available for rural road purposes during year, all authorities (1,000 dollars):						
Total ⁸	⁹ 1,108,896	1,640,451	2,042,400	2,302,646	-----	-----
Motor vehicle fees, gasoline taxes.....	119,915	436,449	687,730	862,933	-----	-----
Other taxes and appropriations.....	415,747	491,194	560,908	537,951	-----	-----
Proceeds of bonds.....	434,573	272,422	271,864	316,973	-----	-----
Federal aid ¹⁰	77,457	79,163	77,573	92,463	-----	-----
All other sources.....	⁹ 62,205	361,224	444,324	492,326	-----	-----
Disbursements for rural roads and bridges (1,000 dollars):						
All roads, by all authorities ⁸	1,027,493	1,276,688	1,615,519	1,885,851	-----	-----
Construction.....	622,172	621,893	813,982	1,009,712	-----	-----
Maintenance.....	250,559	338,553	433,538	475,912	-----	-----
Principal and interest of bonds.....	90,293	213,325	272,529	315,354	-----	-----
Equipment and miscellaneous.....	64,468	102,627	95,470	84,872	-----	-----
By or under supervision of State highway departments, incl. Federal aid ¹¹	397,484	621,744	910,485	1,139,677	1,091,009	955,446
Highway construction under Federal aid, status at end of year ¹²						
Completed mileage.....	-----	56,717	82,330	88,945	99,777	104,562
Projects under construction—						
Miles.....	-----	14,581	8,735	9,080	8,672	13,349
Total cost (1,000 dollars).....	-----	365,730	217,013	233,397	216,850	250,978
Federal aid (1,000 dollars).....	-----	151,490	89,219	99,573	98,080	98,257
Projects approved for construction—						
Miles.....	1,839	1,575	1,400	2,875	1,910	2,682
Total cost (1,000 dollars).....	48,609	40,299	29,340	60,394	35,473	45,085
Federal aid (1,000 dollars).....	19,262	13,921	9,942	25,531	15,134	13,314
Federal-aid fund available for new projects (1,000 dollars).....	-----	113,070	99,881	144,726	113,879	20,294

¹ Data for local roads not available

² Low type includes sand-clay, gravel, and waterbound macadam; high type includes bituminous macadam, bituminous concrete, sheet asphalt, Portland cement concrete, and block pavements

³ Includes 11,303 miles of unclassified roads

⁴ Includes mileage partially graded and drained

⁵ Includes original and reconstructed surfacing

⁶ Includes 368 miles of unclassified roads.

⁷ Data for total United States not compiled in 1921

⁸ Excludes funds transferred

⁹ Excludes balance on hand at beginning of year, not reported in 1921

¹⁰ For road and bridge purposes under supervision of State highway department only

¹¹ Includes funds transferred to local units

¹² Includes data for Hawaii beginning 1926 for all items except those for projects approved for construction which include Hawaii beginning 1929. For 1933 data regarding Federal aid road construction, also public works road construction in 1933, see Table 380

Source: Bureau of Public Roads, Department of Agriculture.

No. 376.—RURAL ROAD MILEAGE AS OF DECEMBER 31

NOTE.—Data include all rural roads. In some cases variations in mileage from that of the previous year shown are partly because of more accurate survey of road mileage. Data in most cases relate to December 31, there are, however, some exceptions. Data for local roads for 1931 and 1932 are not available. For mileage of State highway systems as of Dec 31, 1931, and 1932, see Table 377.

Division and State	All types			Surfaced roads						
	1914	1921	1930	1914	1921	1926	1927	1928	1929	1930
Continental U. S.	2, 445, 761	2, 941, 294	3, 008, 086	257, 292	337, 760	550, 064	583, 721	628, 137	662, 435	693, 559
New England	86, 718	83, 295	83, 744	18, 038	17, 725	23, 614	24, 631	25, 919	27, 465	28, 848
Maine.....	23, 537	21, 483	20, 882	2, 762	2, 953	4, 429	4, 832	5, 293	5, 777	6, 227
New Hampshire.....	14, 020	13, 841	12, 034	1, 660	1, 692	2, 218	2, 391	2, 546	2, 784	3, 060
Vermont.....	14, 249	14, 677	15, 031	1, 442	3, 545	4, 490	4, 691	4, 857	4, 983	5, 075
Massachusetts.....	18, 681	18, 868	18, 802	8, 506	6, 575	8, 280	8, 485	8, 783	9, 324	9, 682
Rhode Island.....	2, 170	2, 274	2, 739	693	754	876	853	990	1, 025	1, 061
Connecticut.....	14, 061	12, 152	14, 256	2, 975	2, 206	3, 321	3, 379	3, 450	3, 572	3, 712
Middle Atlantic	185, 771	186, 935	190, 635	31, 516	38, 946	58, 298	62, 071	64, 748	67, 935	70, 801
New York.....	70, 308	81, 878	82, 375	15, 636	18, 566	26, 957	29, 481	31, 113	32, 713	34, 278
New Jersey.....	14, 817	14, 066	17, 393	5, 897	6, 459	7, 836	8, 057	8, 734	9, 077	9, 442
Pennsylvania.....	91, 556	90, 991	90, 867	9, 983	13, 921	23, 505	24, 533	24, 901	26, 145	27, 081
East North Central	405, 245	412, 753	419, 051	94, 365	124, 298	153, 853	160, 664	168, 210	174, 150	181, 598
Ohio.....	86, 354	84, 219	85, 100	30, 569	36, 068	42, 361	43, 977	46, 245	48, 503	50, 836
Indiana.....	73, 347	76, 246	73, 768	30, 962	39, 857	49, 440	50, 284	50, 995	51, 314	52, 034
Illinois.....	95, 647	96, 326	97, 287	11, 606	11, 473	16, 928	18, 118	20, 032	21, 375	22, 815
Michigan.....	74, 190	77, 283	81, 106	7, 829	17, 186	21, 698	22, 493	24, 167	25, 143	26, 281
Wisconsin.....	75, 707	78, 679	81, 784	13, 399	19, 714	23, 426	25, 792	26, 771	27, 815	29, 632
West North Central	650, 058	759, 820	777, 793	14, 968	30, 223	61, 503	69, 989	78, 762	87, 384	96, 166
Minnesota.....	93, 517	107, 103	110, 661	3, 968	16, 905	30, 011	32, 369	34, 223	35, 601	37, 217
Iowa.....	104, 074	104, 082	103, 328	615	2, 585	9, 284	11, 811	15, 191	18, 021	20, 088
Missouri.....	96, 041	111, 520	110, 540	6, 713	7, 879	11, 043	11, 739	12, 319	13, 074	14, 326
North Dakota.....	68, 796	101, 523	106, 846	955	710	1, 874	2, 366	2, 853	3, 592	4, 026
South Dakota.....	96, 306	116, 455	120, 271	363	548	3, 510	4, 087	4, 840	6, 147	7, 096
Nebraska.....	80, 272	86, 556	93, 907	1, 205	496	3, 273	3, 979	4, 651	5, 364	6, 386
Kansas.....	111, 052	128, 551	132, 240	1, 149	1, 100	2, 508	3, 608	4, 585	5, 685	7, 027
South Atlantic	297, 193	365, 567	357, 554	32, 154	61, 178	82, 282	89, 541	95, 384	100, 840	98, 514
Delaware.....	3, 674	3, 933	3, 779	244	448	884	927	1, 094	1, 180	1, 253
Maryland.....	16, 459	14, 772	14, 847	2, 489	3, 663	4, 640	5, 307	5, 493	5, 704	6, 308
Virginia.....	53, 388	59, 080	59, 957	3, 910	7, 280	10, 542	11, 192	11, 897	12, 327	12, 581
West Virginia.....	32, 024	35, 173	34, 799	1, 065	1, 367	3, 037	3, 713	3, 917	4, 450	5, 292
North Carolina.....	50, 758	68, 204	53, 796	6, 004	16, 755	26, 885	27, 811	28, 345	29, 649	31, 966
South Carolina.....	42, 226	61, 850	57, 726	3, 270	6, 908	12, 475	13, 841	16, 648	17, 576	18, 802
Georgia.....	80, 669	94, 912	102, 284	12, 342	18, 339	11, 416	13, 015	13, 972	14, 831	14, 922
Florida.....	17, 995	27, 643	30, 366	2, 830	6, 438	12, 403	13, 735	14, 018	15, 123	15, 395
East South Central	205, 191	242, 745	259, 078	27, 626	41, 478	55, 274	58, 931	61, 187	66, 695	73, 406
Kentucky.....	57, 916	68, 704	61, 261	12, 403	15, 436	15, 236	15, 619	16, 130	17, 030	17, 654
Tennessee.....	46, 050	62, 546	67, 953	8, 102	9, 878	11, 238	12, 521	13, 538	15, 184	18, 018
Alabama.....	55, 446	58, 410	67, 907	4, 988	10, 420	17, 514	18, 204	17, 370	18, 369	19, 784
Mississippi.....	45, 779	53, 085	61, 957	2, 133	5, 744	11, 286	12, 587	14, 149	16, 112	17, 950
West South Central	312, 182	416, 617	413, 820	13, 815	23, 986	40, 255	42, 187	46, 436	49, 896	52, 818
Arkansas.....	50, 743	74, 866	68, 849	1, 098	3, 871	5, 981	6, 269	6, 779	7, 958	8, 884
Louisiana.....	24, 563	39, 803	35, 553	2, 068	2, 771	8, 697	9, 501	10, 731	11, 152	12, 203
Oklahoma.....	107, 916	134, 263	120, 879	122	2, 461	2, 930	3, 300	3, 711	4, 774	5, 307
Texas.....	128, 960	167, 685	188, 539	10, 527	14, 583	22, 677	23, 117	25, 215	26, 012	26, 424
Mountain	163, 117	306, 382	334, 929	4, 851	15, 539	25, 827	28, 574	32, 010	33, 849	36, 980
Montana.....	39, 204	64, 732	67, 072	609	1, 772	2, 508	2, 790	3, 178	3, 437	3, 870
Idaho.....	24, 396	31, 099	30, 825	679	2, 982	6, 961	7, 949	8, 487	8, 834	9, 768
Wyoming.....	14, 797	46, 528	41, 233	468	440	1, 284	1, 361	1, 604	1, 760	1, 987
Colorado.....	39, 780	48, 143	68, 974	1, 194	4, 598	5, 997	6, 383	6, 952	7, 157	7, 588
New Mexico.....	11, 873	45, 549	47, 776	262	1, 802	1, 954	2, 144	2, 361	2, 539	3, 014
Arizona.....	12, 075	21, 227	22, 818	253	1, 233	3, 070	3, 150	3, 421	3, 597	3, 840
Utah.....	8, 810	23, 047	23, 655	1, 154	2, 544	2, 600	3, 001	3, 996	4, 237	4, 451
Nevada.....	12, 182	26, 057	23, 576	262	168	1, 453	1, 796	2, 011	2, 237	2, 444
Pacific	140, 288	167, 180	172, 462	19, 928	34, 387	49, 198	52, 135	53, 481	54, 222	56, 448
Washington.....	42, 428	45, 816	43, 881	4, 922	12, 062	16, 483	10, 655	16, 406	16, 718	16, 870
Oregon.....	36, 819	45, 475	51, 617	4, 726	8, 050	11, 578	11, 815	11, 995	12, 123	13, 931
California.....	61, 039	75, 889	76, 964	10, 280	14, 275	21, 065	23, 665	25, 080	25, 381	25, 647

¹ Includes about 26,000 miles of section lines declared public highways by law but which are not open or general traffic.

Source: Bureau of Public Roads, Department of Agriculture.

No. 377—STATE HIGHWAY SYSTEMS: MILEAGE AS OF DECEMBER 31, 1931
AND 1932, AND MILEAGE SURFACED DURING 1931 AND 1932

Division and State	Existing mileage, end of year							Mileage surfaced during—		
	Total, all types, 1931	Sur- faced roads, 1931	Total, all types, 1932	Earth roads, 1932	Surfaced roads, 1932			1931, total ²	1932	
					Total	Low type ¹	High type ¹		Total ²	On earth roads
Cont'l. U. S.	328, 942	242, 700	358, 210	92, 150	268, 060	156, 325	109, 735	34, 539	29, 577	17, 661
New England.....	10, 764	10, 089	11, 047	601	10, 448	5, 972	4, 474	884	684	326
Maine.....	2, 032	1, 933	2, 050	67	1, 983	1, 529	454	174	140	40
New Hampshire.....	2, 683	2, 647	2, 802	36	2, 826	2, 389	437	189	238	179
Vermont.....	1, 013	1, 013	1, 013	-----	1, 013	485	528	177	94	-----
Massachusetts.....	1, 699	1, 699	1, 701	-----	1, 701	217	1, 544	169	127	42
Rhode Island.....	1, 046	603	1, 070	449	621	128	493	69	20	17
Connecticut.....	2, 291	2, 194	2, 291	49	2, 242	1, 224	1, 018	116	65	48
Middle Atlantic.....	29, 440	24, 358	49, 844	17, 080	32, 764	12, 364	20, 400	2, 386	4, 662	3, 699
New York.....	14, 000	11, 685	13, 947	1, 960	11, 987	1, 271	10, 716	1, 160	1, 163	336
New Jersey.....	1, 877	1, 680	1, 877	168	1, 709	117	1, 592	135	41	30
Pennsylvania.....	13, 563	10, 993	34, 020	14, 952	19, 068	10, 976	8, 092	1, 091	3, 458	3, 333
East North Central.....	47, 122	43, 545	48, 876	2, 195	46, 681	19, 141	27, 540	3, 907	4, 146	1, 887
Ohio.....	11, 559	11, 470	11, 759	98	11, 661	5, 320	6, 341	627	977	18
Indiana.....	6, 972	6, 771	8, 378	210	8, 168	3, 994	4, 174	421	563	182
Illinois.....	10, 080	8, 361	10, 069	1, 109	8, 990	11	8, 979	711	684	642
Michigan.....	8, 293	7, 620	8, 422	578	7, 844	3, 936	3, 908	648	817	246
Wisconsin.....	10, 218	9, 323	10, 218	200	10, 018	5, 880	4, 138	1, 500	1, 105	799
West North Central.....	56, 623	40, 648	57, 924	12, 931	44, 993	32, 521	12, 472	11, 374	7, 632	5, 397
Minnesota.....	6, 807	6, 767	6, 772	66	6, 706	4, 299	2, 407	2, 426	1, 234	970
Iowa.....	8, 312	7, 344	8, 373	583	7, 785	3, 410	4, 375	817	695	439
Missouri.....	9, 167	7, 583	10, 487	1, 308	9, 179	5, 648	3, 531	2, 049	1, 929	1, 580
North Dakota.....	7, 586	4, 064	7, 591	2, 772	4, 819	4, 798	21	1, 104	1, 067	815
South Dakota.....	5, 957	4, 452	5, 967	1, 237	4, 730	4, 565	165	467	466	257
Nebraska.....	9, 752	5, 632	9, 752	3, 200	6, 462	5, 851	611	1, 190	1, 209	830
Kansas.....	8, 982	4, 806	8, 982	3, 670	5, 312	3, 980	1, 362	3, 321	972	506
South Atlantic.....	47, 812	36, 422	49, 703	11, 263	38, 435	22, 316	16, 119	4, 067	3, 141	1, 841
Delaware.....	876	872	944	22	922	96	826	71	50	50
Maryland.....	3, 412	3, 412	3, 644	-----	3, 644	1, 776	1, 868	187	236	232
Virginia.....	8, 032	6, 194	8, 154	1, 805	6, 349	4, 742	1, 607	620	239	165
West Virginia.....	4, 315	3, 275	4, 380	912	3, 468	1, 488	1, 980	894	347	188
North Carolina.....	9, 752	8, 400	10, 033	1, 124	8, 909	4, 586	4, 323	681	442	125
South Carolina.....	5, 956	5, 336	5, 939	378	5, 561	3, 191	2, 370	964	717	316
Georgia.....	7, 131	4, 067	8, 264	3, 740	4, 524	2, 777	1, 747	376	4, 861	4, 526
Florida.....	8, 338	4, 866	8, 345	3, 287	5, 058	3, 060	1, 998	274	249	239
East South Central.....	24, 629	20, 328	25, 691	4, 411	21, 280	15, 827	5, 453	1, 680	1, 063	765
Kentucky.....	5, 950	5, 198	6, 842	1, 278	5, 564	3, 937	1, 627	787	548	366
Tennessee.....	7, 053	5, 897	7, 226	784	6, 442	4, 191	2, 251	346	4, 323	4, 286
Alabama.....	5, 548	3, 990	5, 553	1, 502	4, 051	3, 002	1, 049	479	149	113
Mississippi.....	6, 078	5, 243	6, 070	847	5, 223	4, 697	526	68	43	-----
West South Central.....	51, 590	33, 432	52, 926	16, 824	36, 102	20, 053	16, 049	4, 369	3, 737	2, 237
Arkansas.....	8, 705	7, 283	9, 020	1, 540	7, 480	5, 478	2, 002	823	5	-----
Louisiana.....	17, 167	10, 521	17, 505	6, 028	11, 477	9, 436	2, 041	1, 910	1, 426	571
Oklahoma.....	6, 850	4, 043	7, 159	2, 716	4, 443	2, 543	1, 900	617	312	284
Texas.....	18, 898	11, 585	19, 242	6, 540	12, 702	2, 596	10, 106	1, 019	1, 994	1, 382
Mountain.....	45, 346	21, 560	46, 567	23, 778	22, 789	21, 203	1, 586	3, 694	3, 165	1, 172
Montana.....	8, 148	2, 646	8, 177	5, 219	2, 958	2, 899	59	886	811	312
Idaho.....	4, 788	3, 172	4, 812	1, 567	3, 245	3, 003	242	454	271	125
Wyoming.....	3, 231	1, 971	3, 389	1, 099	2, 290	2, 255	35	321	318	318
Colorado.....	9, 255	4, 650	9, 136	4, 466	4, 670	4, 203	467	391	440	51
New Mexico.....	9, 272	2, 896	10, 254	7, 250	3, 004	2, 898	106	396	215	16
Arizona.....	2, 747	1, 974	2, 895	818	2, 077	1, 843	234	118	116	110
Utah.....	4, 108	2, 413	4, 122	1, 575	2, 547	2, 183	364	604	450	123
Nevada.....	3, 797	1, 838	3, 782	1, 784	1, 998	1, 919	79	524	544	117
Pacific.....	15, 616	12, 318	15, 632	3, 062	12, 570	6, 928	5, 642	2, 178	1, 347	337
Washington.....	3, 759	3, 373	3, 711	264	3, 447	2, 430	1, 017	1, 372	648	122
Oregon.....	4, 468	3, 765	4, 574	728	3, 846	2, 355	1, 491	362	287	84
California.....	7, 389	5, 180	7, 347	2, 070	5, 277	2, 143	3, 134	444	412	131

¹ Low type includes sand-clay, gravel, and water-bound macadam, high type includes bituminous macadam, bituminous concrete, sheet asphalt, Portland cement concrete, and block pavements

² Includes original and reconstructed surfacing

³ New State highway system created by eliminating State-aid system

⁴ Figures cover period from July 1, 1931, to Dec. 31, 1932.

⁵ Excludes mileage authorized by State legislature but not actually designated; included in previous reports

Source Bureau of Public Roads, Department of Agriculture.

No. 378.—DISBURSEMENTS FOR RURAL HIGHWAYS UNDER SUPERVISION OF STATE HIGHWAY DEPARTMENTS, INCLUDING FEDERAL AID

NOTE.—Figures include disbursements, whether from current revenues or the proceeds of loans, for construction, maintenance, interest and principal payments on highway bonds, and transfers to local units

Division and State	Year in which first State aid law passed	1921	1925	1926	1927	1928	1929	1930	1931	1932
		Thousands of dollars								
Cont'l U.S.		397,484	649,125	621,744	707,179	830,285	910,485	1,139,677	1,091,009	955,446
New England		25,910	39,289	45,178	51,735	60,878	73,425	76,418	74,095	79,341
Maine	1901	6,524	7,105	10,279	8,684	12,118	14,006	17,184	18,442	16,243
N. Hampshire	1903	2,360	4,027	3,017	3,565	5,553	7,713	9,640	8,489	7,112
Vermont	1898	951	3,618	3,713	4,080	5,762	12,516	9,013	6,999	6,177
Mass'setts.	1892	7,864	12,881	13,794	18,380	16,478	20,180	21,926	28,324	29,596
Rhode Island	1902	2,213	3,046	3,871	4,242	4,548	5,412	3,367	6,188	4,768
Connecticut	1895	5,998	8,612	10,504	12,784	16,419	13,598	15,288	15,653	15,445
Middle Atlantic		101,475	135,803	117,072	138,625	153,247	171,495	216,236	192,315	172,429
New York	1898	36,855	49,369	41,781	58,798	62,503	69,664	73,233	73,924	54,285
New Jersey	1891	15,608	23,939	24,378	27,763	32,479	41,397	47,414	52,860	49,197
Pennsylvania	1903	49,012	62,494	50,913	50,064	58,265	60,434	95,589	65,531	68,947
E. N. Central		68,512	118,903	104,321	114,016	160,563	160,363	190,673	153,465	166,894
Ohio	1904	15,547	24,086	20,496	25,518	33,953	30,281	47,491	34,161	36,703
Indiana	1917	9,110	14,518	12,429	14,798	16,544	20,678	22,569	20,771	23,183
Illinois	1905	15,693	36,376	24,267	30,270	53,472	39,728	48,854	42,622	45,092
Michigan	1906	16,744	36,139	25,998	25,883	36,578	48,666	46,136	36,540	36,211
Wisconsin	1911	12,417	7,785	12,181	17,547	20,017	21,010	25,623	19,371	25,705
W. N. Central		41,087	84,876	88,723	101,852	104,993	123,547	171,732	167,043	131,290
Minnesota	1905	7,480	17,963	17,979	17,837	18,412	23,366	39,365	36,578	36,959
Iowa	1904	18,276	14,108	15,272	24,077	37,255	36,084	50,607	36,827	23,738
Missouri	1907	4,727	31,594	30,841	25,996	18,981	28,321	43,921	42,841	37,335
North Dakota	1909	1,030	1,862	1,973	4,567	3,564	4,129	3,992	6,957	5,084
South Dakota	1911	4,738	6,378	5,843	4,862	5,893	6,168	5,915	12,674	5,413
Nebraska	1911	4,836	5,564	7,639	8,004	6,984	8,467	11,087	13,718	10,057
Kansas	1911		7,407	9,171	16,509	13,904	17,012	16,845	17,448	12,704
South Atlantic		51,181	103,836	113,651	133,328	121,189	113,712	139,904	154,397	123,176
Delaware	1903	3,765	3,493	3,469	3,480	3,377	5,208	8,492	4,426	3,386
Maryland	1898	7,618	12,025	10,593	10,598	10,668	13,617	17,092	16,152	15,950
Virginia	1906	7,114	14,072	12,014	14,714	14,448	14,214	19,189	22,022	17,640
West Virginia	1909	1,877	16,139	17,492	19,311	16,224	19,184	23,308	24,385	20,070
N. Carolina	1901	15,100	32,589	37,216	33,144	28,301	24,902	25,613	26,193	22,516
S. Carolina	1917	3,941	9,133	9,640	13,410	21,099	18,581	22,753	31,681	15,328
Georgia	1908	9,664	7,902	9,565	15,114	12,728	7,039	12,699	17,468	20,756
Florida	1915	2,103	8,484	13,657	23,557	14,343	10,967	9,858	12,070	7,530
E. S. Central		16,621	45,008	38,845	44,734	60,329	68,942	92,737	86,158	57,533
Kentucky	1912	5,757	14,916	9,820	11,484	14,766	15,130	19,497	23,552	20,174
Tennessee	1915	6,328	14,379	14,037	16,003	19,172	29,741	53,278	41,209	25,405
Alabama	1911	1,036	10,917	10,290	10,766	20,110	19,317	15,373	14,523	7,195
Mississippi	1915	3,500	4,795	4,698	6,481	6,281	4,754	4,589	6,874	4,759
W. S. Central		26,897	52,733	50,205	58,119	84,901	104,613	138,738	133,535	101,960
Arkansas	1913		11,200	9,563	14,532	31,784	40,971	39,821	26,291	8,168
Louisiana	1910	5,347	8,611	10,563	10,753	11,157	17,143	29,357	50,043	38,852
Oklahoma	1911	4,775	12,938	10,420	12,816	13,251	11,969	20,228	15,037	12,144
Texas	1917	16,775	19,985	19,659	20,018	28,710	34,530	47,332	42,164	42,196
Mountain		27,463	27,987	23,810	27,318	35,039	37,008	47,023	58,372	50,136
Montana	1913	3,640	1,267	1,155	1,541	3,863	4,488	6,378	7,173	8,502
Idaho	1905	4,863	3,637	4,191	3,847	5,413	3,365	6,637	7,717	6,592
Wyoming	1911	3,446	3,963	2,974	2,873	3,600	3,123	3,590	7,097	5,151
Colorado	1909	4,156	5,755	5,850	5,232	6,957	7,142	8,144	11,862	6,796
New Mexico	1909	3,713	3,323	2,928	5,089	6,603	6,675	9,138	8,762	5,718
Arizona	1909	2,948	2,443	2,565	2,608	2,443	4,873	5,233	7,242	7,041
Utah	1909	3,107	4,124	2,448	3,929	3,992	4,545	5,193	6,824	6,037
Nevada	1911	1,590	3,056	1,699	2,199	2,167	2,797	2,710	1,695	4,299
Pacific		38,339	41,490	39,938	39,450	49,126	57,382	68,215	71,632	72,685
Washington	1905	9,696	7,846	8,825	8,628	13,893	15,702	15,806	17,681	19,494
Oregon	1913	17,828	15,553	10,018	10,263	10,268	11,328	14,668	17,136	13,188
California	1895	10,815	18,091	21,095	20,559	24,965	30,352	37,741	36,815	40,003

¹ Excludes expenditures of \$2,462,000 for flood relief work.

² Data cover 6 months, Jan. 1 to June 30, as fiscal year was changed.

³ Data are for 1926.

⁴ Data cover 9 months, July 1, 1928, to Mar. 31, 1929, as fiscal year was changed.

⁵ Data cover 7 months, Dec. 1, 1930, to June 30, 1931, as fiscal year was changed.

Source: Bureau of Public Roads, Department of Agriculture.

No. 379.—FUNDS AVAILABLE AND DISTRIBUTION OF DISBURSEMENTS FOR STATE HIGHWAY PURPOSES, 1932

[In thousands of dollars]

Division and State	Funds available					Distribution of disbursements				
	Total	Motor-vehicle fees and gasoline taxes	Federal aid receipts ¹	Proceeds of bonds and notes	All other sources ²	Total	New and reconstructed roads and bridges	Maintenance roads and bridges	Principal and interest on highway bonds	Equipment and miscellaneous ³
Cont'l U S.....	1, 173, 576	574, 688	136, 857	104, 650	357, 380	955, 446	551, 446	169, 479	123, 672	110, 849
New England.....	92, 462	52, 969	8, 189	5, 545	25, 760	79, 341	38, 497	16, 863	4, 098	19, 885
Maine.....	16, 994	3, 895	1, 564	4, 545	6, 990	16, 243	7, 282	1, 946	1, 813	5, 231
N Hampshire.....	7, 874	4, 514	-----	1, 000	1, 765	7, 112	3, 169	2, 688	-----	786
Vermont.....	7, 124	4, 307	596	-----	1, 942	6, 177	3, 243	1, 308	685	941
Massachusetts.....	35, 980	23, 220	2, 210	-----	10, 551	29, 596	11, 731	6, 487	495	10, 883
Rhode Island.....	5, 534	4, 119	1, 376	-----	39	4, 768	2, 875	934	319	640
Connecticut.....	18, 956	12, 914	1, 569	-----	4, 473	15, 445	10, 226	3, 500	-----	1, 719
Middle Atlantic.....	268, 942	94, 353	19, 054	18, 219	137, 316	172, 439	93, 583	27, 134	22, 454	29, 278
New York.....	111, 351	22, 417	11, 402	3, 137	74, 395	54, 285	36, 699	9, 714	5, 820	2, 052
New Jersey.....	71, 017	18, 175	3, 121	15, 082	34, 639	49, 197	25, 447	2, 216	9, 894	11, 640
Pennsylvania.....	86, 574	53, 761	4, 631	-----	28, 282	68, 947	31, 417	15, 204	6, 740	15, 586
E N. Central.....	201, 786	114, 885	25, 971	1, 984	58, 945	166, 894	110, 959	33, 528	12, 445	9, 963
Ohio.....	39, 549	23, 981	5, 736	-----	9, 832	36, 703	21, 773	13, 366	-----	1, 564
Indiana.....	29, 778	18, 349	4, 009	-----	7, 420	23, 183	15, 973	4, 224	-----	2, 686
Illinois.....	53, 907	35, 453	4, 383	1, 984	16, 542	45, 092	27, 466	4, 187	8, 363	5, 077
Michigan.....	41, 088	27, 121	6, 575	-----	7, 392	36, 211	25, 505	6, 325	4, 082	299
Wisconsin.....	32, 464	9, 941	4, 763	-----	17, 759	25, 705	20, 242	5, 426	-----	37
W. N. Central.....	150, 104	74, 624	18, 229	29, 341	27, 912	131, 290	87, 059	20, 383	14, 480	9, 390
Minnesota.....	40, 888	16, 849	4, 457	10, 016	9, 566	36, 959	25, 189	5, 688	3, 391	2, 691
Iowa.....	26, 322	16, 451	2, 890	1, 618	5, 394	23, 738	14, 531	2, 615	6, 150	4, 443
Missouri.....	45, 449	19, 118	2, 415	17, 707	6, 210	37, 335	26, 051	3, 563	4, 919	2, 801
North Dakota.....	5, 261	3, 134	1, 815	-----	1, 312	5, 084	3, 039	1, 134	-----	911
South Dakota.....	5, 641	3, 513	1, 687	-----	1, 441	5, 413	3, 338	1, 470	-----	606
Nebraska.....	10, 577	7, 300	2, 313	-----	964	10, 057	6, 804	3, 035	-----	219
Kansas.....	15, 466	9, 229	2, 652	-----	3, 585	12, 704	8, 107	2, 878	-----	1, 719
South Atlantic.....	141, 398	81, 141	16, 272	12, 301	31, 683	123, 178	59, 067	21, 267	26, 051	16, 795
Delaware.....	4, 415	2, 131	823	1, 005	3, 405	3, 388	2, 373	254	551	203
Maryland.....	18, 224	9, 345	507	1, 046	7, 325	15, 950	10, 648	2, 235	2, 528	540
Virginia.....	20, 327	14, 364	2, 838	-----	3, 126	17, 640	9, 138	6, 631	1, 255	616
West Virginia.....	23, 248	8, 535	857	5, 250	8, 606	20, 070	8, 984	3, 017	7, 657	412
N Carolina.....	25, 872	20, 493	3, 674	-----	1, 705	22, 516	2, 728	3, 611	7, 960	8, 218
S Carolina.....	18, 761	7, 462	1, 694	5, 000	4, 605	15, 328	3, 158	1, 214	6, 100	4, 857
Georgia.....	22, 487	12, 480	5, 276	-----	4, 731	20, 756	17, 402	2, 132	-----	1, 223
Florida.....	8, 064	6, 281	603	-----	1, 180	7, 530	4, 631	2, 173	-----	726
E S Central.....	66, 978	31, 622	6, 389	9, 000	19, 965	57, 533	23, 855	9, 831	18, 319	5, 530
Kentucky.....	20, 892	11, 530	2, 174	-----	7, 188	20, 174	13, 491	4, 163	1, 049	1, 471
Tennessee.....	33, 714	10, 106	2, 367	9, 000	12, 241	25, 405	6, 279	1, 941	13, 828	3, 358
Alabama.....	7, 414	6, 811	1, 089	-----	4, 866	7, 195	1, 574	1, 753	3, 442	427
Mississippi.....	4, 956	3, 175	759	-----	1, 022	4, 759	2, 511	1, 974	-----	274
W S Central.....	115, 809	52, 410	12, 234	24, 559	26, 605	101, 960	58, 028	17, 474	13, 460	12, 999
Arkansas.....	5, 043	6, 168	823	-----	4, 606	8, 168	605	335	6, 346	383
Louisiana.....	41, 737	11, 404	2, 492	24, 559	3, 282	38, 852	20, 172	3, 685	7, 114	7, 881
Oklahoma.....	13, 760	9, 853	496	-----	3, 410	12, 144	9, 151	2, 414	-----	579
Texas.....	54, 264	24, 985	8, 865	-----	20, 415	42, 796	28, 100	10, 540	-----	4, 156
Mountain.....	52, 408	22, 376	19, 184	2, 700	8, 148	50, 136	33, 734	10, 489	3, 610	2, 305
Montana.....	8, 521	2, 733	4, 274	1, 500	64	8, 502	6, 653	1, 350	56	442
Idaho.....	6, 998	2, 734	4, 274	-----	2, 489	6, 592	3, 991	1, 488	586	528
Wyoming.....	5, 287	1, 730	1, 026	-----	1, 632	5, 151	3, 806	911	358	77
Colorado.....	8, 152	4, 698	2, 103	-----	1, 351	6, 796	4, 605	1, 460	489	243
New Mexico.....	6, 241	2, 619	1, 686	1, 000	936	5, 718	2, 479	1, 795	1, 227	217
Arizona.....	7, 102	2, 962	3, 555	-----	585	7, 041	5, 302	1, 300	-----	438
Utah.....	6, 314	3, 736	1, 432	-----	1, 146	6, 037	3, 414	1, 559	738	327
Nevada.....	4, 073	1, 164	2, 764	200	4, 55	4, 299	3, 484	626	156	33
Pacific.....	83, 694	50, 309	11, 336	1, 001	21, 448	72, 685	46, 688	12, 515	8, 778	4, 708
Washington.....	19, 494	16, 487	2, 427	-----	580	19, 494	12, 198	3, 229	-----	4, 068
Oregon.....	14, 480	9, 035	1, 703	1, 001	2, 741	13, 188	6, 506	2, 124	4, 345	214
California.....	49, 720	24, 787	7, 206	-----	17, 727	40, 003	27, 984	7, 162	4, 431	426

¹ Includes \$25,448,000 emergency funds received from the \$30,000,000 emergency advance fund of 1930 and the \$120,000,000 emergency construction fund of 1932

² Includes balance from previous year, transfers from local units, and miscellaneous revenue.

³ Includes transfers to local units

⁴ Deficit.

Source Bureau of Public Roads, Department of Agriculture.

NO. 380.—FEDERAL AID AND PUBLIC WORKS ROAD CONSTRUCTION: STATUS AS OF DECEMBER 31, 1933

[All figures, except mileage data, in thousands of dollars]

Division and State	Federal aid road construction					Public works road construction ¹							
	Mileage completed prior to Jan 1, 1934	Projects under construction ²		Federal aid allotted to public works projects	Federal aid funds available for new projects	Total allotment of public works funds	Mileage completed prior to Jan 1, 1934	Projects under construction ³				Public works funds available for new projects	
		Total cost	Federal aid allotted					Mileage	Total cost	Public works funds allotted	Federal aid funds allotted		Mileage
Grand total ⁴	118, 176	66, 174	26, 724	2, 669	8, 821	3, 956	394, 000	1, 536	159, 575	147, 264	5, 561	10, 504	142, 212
New England	3, 312	4, 494	1, 358	46	578	111	18, 610	85	9, 313	8, 908	309	259	5, 119
Maine	889	143	23	(⁵)	---	7	3, 370	71	1, 822	1, 742	---	72	677
N Hampshire	458	262	106	6	---	9	1, 910	---	1, 267	1, 266	---	37	455
Vermont	420	64	5	3	---	1	1, 868	7	1, 146	1, 131	---	61	339
Massachusetts	917	1, 336	180	22	402	21	6, 597	6	3, 302	2, 993	309	56	2, 963
Rhode Island	299	20	10	---	---	66	1, 999	1	1, 038	1, 038	---	22	536
Connecticut	329	2, 669	1, 034	15	176	7	2, 866	---	738	738	---	11	149
Middle Atlantic	8, 189	6, 857	1, 924	161	315	251	47, 567	10	27, 768	26, 732	315	942	8, 961
New York	3, 896	5, 240	1, 529	131	315	87	22, 330	8	16, 171	15, 137	315	300	1, 395
New Jersey	3, 676	1, 227	272	18	---	144	6, 346	---	2, 567	2, 567	---	24	3, 221
Pennsylvania	3, 627	390	123	12	---	20	18, 891	2	9, 030	9, 028	---	618	4, 345
E N Central	14, 828	16, 240	6, 735	466	25	176	65, 555	45	21, 233	20, 982	22	1, 016	26, 170
Ohio	3, 257	1, 736	508	39	---	30	15, 485	19	8, 805	8, 617	---	384	3, 989
Indiana	2, 345	4, 374	1, 896	91	---	59	10, 038	---	2, 198	2, 186	---	116	6, 461
Illinois	3, 552	8, 362	3, 580	257	---	79	17, 571	1	2, 739	2, 739	---	105	8, 221
Michigan	3, 698	1, 259	516	60	3	---	12, 736	4	3, 213	3, 211	---	205	3, 833
Wisconsin	2, 976	509	229	19	22	8	9, 725	21	4, 278	4, 217	22	206	3, 666
W N Central	31, 312	3, 963	1, 398	350	410	499	62, 627	818	25, 112	23, 497	147	2, 980	17, 882
Minnesota	4, 529	1, 304	50	67	---	53	10, 657	251	3, 620	3, 532	---	458	3, 887
Iowa	3, 832	---	---	---	---	1	10, 056	43	5, 103	4, 811	---	263	2, 912
Missouri	3, 420	425	91	8	50	(⁶)	12, 180	6	4, 757	4, 456	---	346	3, 544
N Dakota	6, 011	942	671	117	113	325	5, 804	251	820	820	---	219	3, 016
S Dakota	4, 662	779	383	124	128	73	6, 011	109	1, 363	1, 325	38	244	3, 177
Nebraska	4, 568	---	---	---	109	43	7, 829	142	6, 151	5, 309	109	432	1, 346
Kansas	4, 200	513	203	34	---	4	10, 090	16	3, 298	3, 244	---	298	---
South Atlantic	13, 871	7, 490	3, 178	328	1, 955	345	49, 497	77	14, 737	13, 368	1, 353	983	23, 191
Delaware	414	139	26	7	---	---	1, 819	17	512	512	---	8	564
Maryland	911	156	17	2	---	2	3, 565	---	192	178	---	7	2, 456
Dist of Col.	---	---	---	---	---	---	1, 918	5	546	546	---	2	53
Virginia	2, 201	680	326	22	6	141	7, 417	13	2, 718	2, 708	6	217	2, 849
W Virginia	1, 038	474	169	16	---	21	4, 474	4	1, 758	1, 758	---	72	1, 719
N Carolina	2, 891	777	395	52	932	28	9, 522	36	2, 210	1, 815	396	221	5, 877
S Carolina	5, 214	924	384	64	3	---	5, 459	2	2, 354	2, 351	3	270	1, 817
Georgia	3, 481	970	328	53	---	76	10, 091	---	844	844	---	34	6, 636
Florida	721	3, 370	1, 531	112	1, 014	72	5, 232	---	3, 603	2, 654	948	152	1, 220
E S Central	8, 566	6, 299	3, 046	305	4, 517	1, 872	31, 359	8	10, 064	7, 272	2, 752	612	16, 380
Kentucky	2, 162	711	304	53	---	2	7, 517	2	2, 202	2, 202	---	196	2, 829
Tennessee	1, 916	638	318	9	517	4	8, 493	6	2, 335	1, 819	517	99	4, 180
Alabama	2, 556	497	248	29	2, 252	953	8, 370	---	4, 152	2, 328	1, 822	217	5, 221
Mississippi	1, 952	4, 453	2, 176	214	1, 748	913	6, 979	---	1, 375	923	413	100	4, 130
W S Central	15, 401	12, 858	6, 432	528	563	117	46, 038	41	15, 489	12, 978	403	1, 198	22, 810
Arkansas	2, 062	2, 570	1, 166	187	563	21	6, 748	---	1, 306	968	403	40	4, 644
Louisiana	1, 669	3, 922	1, 850	9	---	17	5, 829	(⁵)	941	941	---	33	2, 656
Oklahoma	2, 693	2, 617	1, 029	152	---	43	9, 217	---	3, 337	3, 337	---	188	4, 599
Texas	8, 977	3, 749	1, 387	180	---	36	24, 244	41	9, 885	7, 797	---	937	10, 911
Mountain	16, 832	5, 137	2, 416	405	178	406	43, 048	388	21, 242	20, 618	100	2, 702	13, 985
Montana	3, 507	1, 120	619	121	100	195	7, 440	24	3, 657	3, 477	100	275	2, 191
Idaho	1, 748	888	338	59	---	18	4, 486	22	2, 710	2, 661	---	240	1, 542
Wyoming	2, 503	239	104	36	78	6	4, 501	109	2, 170	2, 090	---	395	1, 399
Colorado	1, 961	1, 439	684	66	---	20	6, 875	18	2, 462	2, 462	---	226	3, 242
New Mexico	2, 635	120	82	13	---	97	5, 793	69	3, 377	3, 377	---	916	1, 387
Arizona	1, 443	356	243	30	---	(⁵)	5, 212	(⁵)	3, 104	2, 790	---	217	1, 528
Utah	1, 449	365	157	26	---	35	4, 195	114	1, 810	1, 809	---	225	680
Nevada	1, 486	610	189	54	---	34	4, 546	32	1, 952	1, 952	---	208	2, 016
Pacific	5, 898	2, 175	727	63	17	52	27, 830	63	13, 799	12, 278	3	618	7, 378
Washington	1, 438	731	119	13	3	(⁵)	6, 116	27	2, 468	2, 454	3	93	1, 136
Oregon	1, 766	1, 137	498	44	14	52	6, 007	36	2, 882	2, 861	---	115	1, 338
California	2, 695	307	110	6	---	(⁶)	15, 607	---	8, 449	6, 961	---	308	4, 902
Hawaii	139	664	511	14	262	128	1, 871	1	842	635	158	18	359

¹ As provided in the National Industrial Recovery Act, construction began in September 1933.

² Total projects approved for construction are 64 miles, estimated cost, \$408,000. Federal aid funds allotted, \$273,000.

³ Total projects approved for construction are 5,607 miles, public works funds allotted, \$93,439,000.

⁴ Includes Hawaii.

⁵ Less than five-tenths of 1 mile.

⁶ Less than \$500.

Source: Bureau of Public Roads, Department of Agriculture.

No. 381.—PRODUCTION AND REGISTRATION OF MOTOR VEHICLES

NOTE.—Figures for earlier years are largely estimates. Beginning with 1921, data include production of plants located in Canada, making motor vehicles of United States design, and cars assembled in foreign countries from American parts, figures represent factory sales for United States plants and production for Canadian plants. Motor cycles and trailers are not included.

Year	Production ¹						Registration (in thousands)		
	Number (in thousands)			Wholesale value (thousands of dollars)			Total	Passen- ger cars, busses, and taxis	Trucks and road trac- tors ²
	Total	Passen- ger cars	Motor trucks	Total	Passen- ger cars	Motor trucks			
1900 ³	4	4	—	4,899	4,899	—	8	—	—
1903	11	11	—	13,000	13,000	—	33	—	—
1904 ³	23	22	(⁴)	24,629	23,682	947	55	55	(⁴)
1905	25	25	(⁴)	40,000	39,030	970	78	77	1
1906	34	33	1	62,900	61,850	1,050	107	106	1
1907	44	43	1	93,400	92,040	1,360	142	140	2
1908	65	63	2	137,800	135,250	2,550	198	194	3
1909 ³	131	128	3	165,149	159,919	5,230	312	306	6
1910	187	181	6	225,000	215,340	9,660	468	458	10
1911	210	199	11	246,000	225,000	21,000	640	620	20
1912	378	356	22	378,000	335,000	43,000	944	903	41
1913	485	462	23	443,902	399,902	44,000	1,258	1,194	64
1914 ³	569	544	25	458,958	413,859	45,098	1,711	1,626	86
1915	970	896	74	701,778	575,978	125,800	2,446	2,310	136
1916	1,618	1,626	92	1,082,378	921,378	161,000	3,513	3,298	215
1917	1,874	1,746	128	1,274,488	1,053,506	220,983	4,983	4,657	326
1918	1,171	943	227	1,236,107	801,938	434,169	6,147	5,622	525
1919	1,934	1,658	276	1,885,113	1,461,786	423,327	7,565	6,771	794
1920	2,227	1,906	322	2,232,420	1,809,171	423,249	9,232	8,226	1,006
1921	1,682	1,518	164	1,261,667	1,091,752	169,914	10,463	9,483	980
1922	2,646	2,369	277	1,793,023	1,561,741	231,282	12,238	10,960	1,279
1923	4,180	3,754	427	2,592,033	2,274,554	317,479	15,091	13,538	1,553
1924	3,738	3,304	434	2,367,413	2,040,707	326,706	17,894	15,461	2,133
1925	4,428	3,871	557	3,015,164	2,544,529	470,635	19,937	17,496	2,441
1926	4,506	3,949	557	3,214,817	2,746,065	468,753	22,001	19,237	2,764
1927	3,580	3,083	497	2,700,706	2,265,633	435,073	23,133	20,219	2,914
1928	4,601	4,012	589	3,162,799	2,703,754	459,045	24,493	21,379	3,114
1929	5,622	4,795	827	3,576,646	2,981,142	595,504	28,501	23,122	3,880
1930	3,510	2,910	600	2,126,602	1,720,652	405,950	28,545	23,059	3,486
1931	2,472	2,038	434	1,426,656	1,153,908	272,748	25,833	22,366	3,467
1932	1,431	1,186	245	793,045	650,781	142,264	24,115	20,886	3,229
1933	1,986	1,628	358	987,436	795,305	192,132	23,827	20,601	3,227

¹ See headnote.

² Road tractors are not included prior to 1924.

³ Production data are from United States Census Reports and in 1900 are for fiscal year ended June 30.

⁴ Less than 500.

Sources. National Automobile Chamber of Commerce and Bureau of Public Roads

No. 382.—PRODUCTION OF OPEN AND CLOSED CARS IN THE UNITED STATES AND CANADA, BY PRICE GROUPS ¹

Year	Under \$1,000		\$1,000 to \$2,000		\$2,000 to \$3,000		\$3,000 and over		Per cent closed, all classes
	Open	Closed	Open	Closed	Open	Closed	Open	Closed	
1921	822,843	224,619	288,372	65,336	51,809	30,167	19,552	15,363	22.1
1922	1,322,357	430,769	312,165	204,296	11,709	47,519	8,678	31,596	30.1
1923	2,071,339	961,842	395,545	220,102	7,838	37,248	2,913	27,118	34.0
1924	1,545,197	890,106	318,387	388,846	14,293	103,224	5,403	38,190	43.0
1925	1,491,766	1,188,462	174,438	833,786	12,008	131,591	5,894	32,799	56.5
1926	978,760	1,804,316	109,843	867,340	12,423	144,391	4,479	27,291	72.0
1927	375,738	1,621,465	77,073	836,492	10,075	130,888	3,352	28,277	84.9
1928	385,381	2,535,547	62,198	856,371	10,037	127,354	2,512	32,758	88.5
1929	477,302	3,425,228	22,055	713,120	9,815	121,055	1,237	25,086	89.4
1930	257,338	2,178,470	19,912	363,009	3,513	63,029	1,966	22,950	90.3
1931	134,439	1,607,784	7,407	236,234	1,195	38,765	1,229	11,130	92.9
1932	44,582	1,010,574	1,997	109,146	477	11,200	397	7,836	96.0
1933	25,551	1,561,196	709	52,026	361	14,026	127	6,562	98.4

¹ The figures for 1921 are based only on price of 5-passenger open cars of a given chassis. Thus, if this model sold for less than \$1,000, the total production of cars with the same chassis is included in the "under \$1,000" class, even though closed models sold for over \$1,000. In 1922 and later years actual f. o. b. prices of open and closed models are considered separately and the cars included under proper classification.

Source. Automotive Industries. The grouping is based on retail prices f. o. b. factory.

No. 383.—MOTOR-VEHICLE PRODUCTION IN THE UNITED STATES 1

Month	1925	1926	1927	1928	1929	1930	1931	1932	1933
Passenger cars									
Total.....	3,735,171	3,783,987	2,936,533	3,815,417	4,587,400	2,784,745	1,973,090	1,135,491	1,606,703
January.....	209,510	276,119	198,157	205,539	347,609	233,815	138,317	98,803	108,326
February.....	246,924	323,139	262,550	291,005	406,171	280,016	180,419	94,110	91,492
March.....	325,915	384,579	343,872	371,283	513,656	330,922	231,244	99,399	99,885
April.....	381,301	385,342	356,823	364,261	537,564	372,932	286,917	120,937	153,350
May.....	371,192	374,789	356,930	374,680	516,181	361,368	271,475	157,756	184,698
June.....	356,695	340,716	279,565	355,685	452,749	285,936	210,396	160,338	211,483
July.....	353,897	317,160	237,811	337,560	425,998	222,205	184,173	94,705	195,023
August.....	222,030	381,041	275,585	398,722	441,820	183,918	155,425	75,907	195,144
September.....	265,703	352,070	226,443	357,704	364,336	176,426	109,228	64,748	160,900
October.....	391,672	290,254	183,042	338,883	319,330	113,808	58,415	35,107	108,073
November.....	329,294	220,357	109,712	215,742	169,492	101,141	49,184	47,632	44,429
December.....	281,038	138,421	106,043	204,353	92,494	122,258	97,897	86,149	53,900
Motor trucks and busses									
Total.....	580,659	516,947	484,793	543,342	771,020	571,241	416,648	235,187	353,242
January.....	31,069	32,879	40,751	26,189	53,428	39,406	33,531	20,541	21,761
February.....	36,714	40,513	42,185	32,791	60,247	50,398	39,521	23,308	15,396
March.....	48,491	48,888	50,641	42,031	71,799	65,466	45,161	19,560	18,117
April.....	52,491	53,394	49,559	45,843	84,346	71,092	50,022	27,389	27,363
May.....	47,864	50,378	48,718	51,103	83,510	58,659	45,688	26,539	33,649
June.....	41,829	45,553	44,252	41,111	93,183	48,570	40,244	22,768	41,904
July.....	45,050	42,450	31,585	54,526	44,842	43,328	34,817	14,438	38,118
August.....	38,206	45,810	34,409	62,576	56,808	40,450	31,772	14,418	41,412
September.....	60,025	46,868	33,867	57,610	51,576	44,223	31,338	19,402	35,243
October.....	50,309	44,167	36,640	58,401	60,687	40,593	21,727	13,595	30,469
November.....	42,977	35,944	24,658	41,398	48,081	35,613	19,683	12,025	19,558
December.....	35,634	29,503	27,528	29,793	27,513	33,443	23,644	21,204	30,252

Figures represent production or factory sales Passenger cars include taxicabs, trucks and busses include ambulances, funeral cars, fire apparatus, and street sweepers.

No. 384.—STATE GASOLINE TAXES

NOTE.—In a majority of States all the proceeds of these taxes and in all but a few of the others the greater bulk of the proceeds are applied to road purposes

State	Total gross receipts in thousands of dollars			Tax in cents per gallon on Dec. 31—		State	Total gross receipts in thousands of dollars			Tax in cents per gallon on Dec. 31—	
	1931	1932	1933	1932	1933		1931	1932	1933	1932	1933
Total.....	537,590	514,139	518,403	----	----	Montana.....	3,018	2,690	2,751	5	5
Alabama.....	7,197	7,001	8,033	6	6	Nebraska.....	9,096	7,809	7,706	4	4
Arizona.....	3,244	2,901	2,679	5	5	Nevada.....	778	727	696	4	4
Arkansas.....	6,448	5,165	5,998	6	6	New Hampshire.....	2,657	2,639	2,350	4	4
California.....	39,864	36,129	35,217	3	3	New Jersey.....	17,173	16,675	16,471	3	3
Colorado.....	6,254	5,469	5,325	4	4	New Mexico.....	2,686	2,211	2,282	5	5
Connecticut.....	4,777	4,733	4,857	2	2	New York.....	30,589	42,581	43,393	3	3
Delaware.....	1,072	1,090	1,130	3	3	North Carolina.....	14,024	13,907	14,773	6	6
Dist. of Col.....	1,726	2,040	2,082	2	2	North Dakota.....	2,032	1,837	1,925	3	3
Florida.....	15,018	14,532	14,293	7	7	Ohio.....	39,328	34,269	33,940	4	4
Georgia.....	13,314	11,939	12,635	6	6	Oklahoma.....	11,665	9,682	10,079	4	4
Idaho.....	2,609	2,287	2,283	5	5	Oregon.....	6,187	5,591	6,344	4	5
Illinois.....	29,066	28,754	27,833	3	3	Pennsylvania.....	33,189	30,801	31,059	3	3
Indiana.....	18,044	16,740	16,289	4	4	Rhode Island.....	1,896	1,858	1,885	2	2
Iowa.....	10,928	8,970	9,372	3	3	South Carolina.....	7,246	6,225	6,679	6	6
Kansas.....	8,071	7,420	7,771	3	3	South Dakota.....	3,395	2,963	3,346	4	4
Kentucky.....	8,813	8,206	8,316	5	5	Tennessee.....	11,461	12,185	12,980	7	7
Louisiana.....	9,398	8,301	8,155	5	5	Texas.....	30,515	27,064	28,479	4	4
Maine.....	4,439	4,254	4,127	4	4	Utah.....	2,310	2,173	2,190	4	4
Maryland.....	7,431	7,600	7,208	4	4	Vermont.....	1,967	1,875	1,766	4	4
Massachusetts.....	15,306	16,519	16,377	3	3	Virginia.....	11,445	10,810	11,082	5	5
Michigan.....	21,873	20,461	19,485	3	3	Washington.....	11,032	11,047	10,863	5	5
Minnesota.....	11,070	10,001	10,214	3	3	West Virginia.....	5,395	4,949	4,928	4	4
Mississippi.....	6,069	5,844	6,101	6	6	Wisconsin.....	15,780	14,948	15,169	4	4
Missouri.....	9,207	8,950	9,081	2	2	Wyoming.....	1,587	1,418	1,405	4	4

Sources Table 383, Bureau of the Census, Department of Commerce, Table 384, Bureau of Public Roads, Department of Agriculture.

No. 385.—MOTOR VEHICLE REGISTRATIONS: PASSENGER CARS AND MOTOR TRUCKS COMBINED, BY STATES

NOTE.—Net number of cars and trucks shown when possible, excluding reregistrations and nonresident registrations. Totals in this table do not include those official cars which are exempt (or partially exempt) from paying regular registration fees to the States

Division and State	1913	1915	1920	1925 ¹	1930 ¹	1932 ¹	1933 ¹
Continental U. S.-----	1,258,062	2,445,666	3,231,341	19,937,274	26,545,281	24,115,129	23,827,290
New England -----	121,327	206,609	573,321	1,290,151	1,698,619	1,610,419	1,590,180
Maine-----	11,022	21,545	62,907	140,499	186,157	171,424	168,173
New Hampshire-----	8,237	13,449	31,680	81,498	112,183	105,215	107,631
Vermont-----	5,913	11,499	31,625	69,576	86,624	77,475	73,576
Massachusetts-----	62,660	102,633	274,498	646,153	846,206	801,317	789,788
Rhode Island-----	10,295	16,362	50,477	101,756	136,423	133,408	136,261
Connecticut-----	23,200	41,121	119,134	250,069	331,026	321,580	314,751
Middle Atlantic -----	266,033	497,927	1,474,106	3,538,670	4,914,101	4,769,709	4,721,510
New York-----	134,495	255,242	676,205	1,625,583	2,307,730	2,440,509	2,240,757
New Jersey-----	51,360	81,848	227,737	580,554	852,850	854,782	845,734
Pennsylvania-----	80,178	160,137	570,164	1,330,433	1,753,521	1,665,418	1,635,019
East North Central -----	314,524	653,665	2,229,398	4,918,383	6,384,157	5,707,772	5,535,441
Ohio-----	86,156	181,332	621,390	1,346,400	1,759,363	1,589,322	1,554,314
Indiana-----	45,000	96,915	333,067	725,410	875,703	797,126	770,071
Illinois-----	94,556	180,832	568,924	1,263,177	1,638,260	1,489,147	1,463,050
Michigan-----	54,366	114,845	412,717	989,010	1,328,209	1,136,224	1,077,209
Wisconsin-----	34,346	79,741	293,298	594,386	782,562	695,953	670,787
West North Central -----	232,044	499,992	1,782,948	2,941,614	3,681,901	3,278,279	3,241,673
Minnesota-----	46,000	93,269	324,166	569,694	732,972	682,953	679,243
Iowa-----	70,299	145,109	437,378	659,202	778,356	682,905	632,292
Missouri-----	38,140	76,462	297,008	604,166	761,600	717,460	698,362
North Dakota-----	15,187	24,908	90,840	144,972	183,019	153,232	153,859
South Dakota-----	14,457	28,724	120,395	168,028	205,172	162,096	169,249
Nebraska-----	13,411	59,000	219,000	338,719	426,229	374,849	390,651
Kansas-----	34,560	72,620	294,159	457,083	594,523	504,784	517,987
South Atlantic -----	77,833	150,594	806,053	1,920,982	2,517,673	2,263,705	2,240,307
Delaware-----	2,440	5,052	18,300	40,140	56,109	52,341	51,099
Maryland-----	14,217	31,047	102,841	234,247	321,702	322,106	313,274
District of Columbia-----	4,000	8,009	34,161	103,092	156,676	161,176	149,790
Virginia-----	9,022	21,357	115,470	282,650	375,889	376,512	344,704
West Virginia-----	5,144	13,279	80,664	217,589	296,273	225,137	226,985
North Carolina-----	10,000	21,000	140,860	340,287	453,241	376,326	382,308
South Carolina-----	10,000	15,000	93,843	168,496	218,402	176,370	162,735
Georgia-----	4 20,000	25,000	146,000	248,093	341,580	287,716	330,147
Florida-----	4 3,000	4 10,850	73,914	286,388	327,801	286,021	279,265
East South Central -----	26,360	48,421	357,658	878,115	1,213,501	969,609	977,776
Kentucky-----	7,210	19,500	112,683	261,647	331,002	291,309	294,547
Tennessee-----	5 10,000	6 7,618	101,852	244,626	368,259	298,713	312,180
Alabama-----	5,300	11,634	74,637	194,580	277,146	225,846	206,361
Mississippi-----	3,850	9,669	68,486	177,262	237,094	153,741	164,688
West South Central -----	48,583	84,433	772,655	1,790,017	2,411,714	1,988,547	2,074,404
Arkansas-----	3,583	8,021	59,082	183,589	220,204	136,583	188,242
Louisiana-----	4 10,000	11,380	73,000	207,000	275,283	238,677	232,088
Oklahoma-----	4 3,000	25,032	212,880	424,545	550,331	415,644	451,712
Texas-----	5 32,000	5 40,000	427,693	975,083	1,365,896	1,167,443	1,201,762
Mountain -----	33,215	78,520	374,473	675,706	962,572	848,081	820,376
Montana-----	5,916	14,540	60,650	94,656	135,168	109,203	110,245
Idaho-----	2,113	7,071	50,861	81,606	119,077	96,039	96,255
Wyoming-----	1,584	3,976	23,926	47,711	61,501	56,209	52,560
Colorado-----	13,000	28,894	129,255	240,097	308,509	286,211	266,491
New Mexico-----	1,898	5,100	22,100	49,111	84,150	76,872	76,643
Arizona-----	3,613	7,753	34,601	68,029	110,525	94,935	89,496
Utah-----	4,000	9,177	42,616	73,427	113,997	97,234	100,362
Nevada-----	1,091	2,009	10,464	21,169	29,645	31,378	28,324
Pacific -----	138,153	226,205	861,333	1,985,536	2,761,043	2,679,008	2,625,623
Washington-----	24,178	38,823	173,920	328,442	446,062	445,314	427,406
Oregon-----	13,975	28,585	103,790	216,553	7 273,625	7 258,762	7 239,410
California-----	5 100,000	163,797	583,623	1,440,541	2,041,356	1,974,932	1,958,807

¹ Includes road tractors

² Fiscal registration year ends June 30, figure represents registration July 1 to Dec. 31.

³ Data cover 10 months ended Oct. 31, as registration year was changed.

⁴ Registrations incomplete

⁵ Estimated.

⁶ Cars registered during 1915 only, total, approximately 26,000

⁷ Registrations during year ended June 30.

Source: Bureau of Public Roads, Department of Agriculture.

No. 386.—REGISTRATIONS AND REVENUES FROM MOTOR VEHICLES, 1933

Division and State	Number of motor cars				Trailers, registered	Motor cycles, registered and official, combined	Receipts from motor-vehicle administration		Amount used for high-way purposes
	Total	Individually and commercially owned, registered		Tax-exempt official motor cars			Total receipts ¹	Registration motor cars	
		Passenger cars, busses, and taxis	Trucks and road tractors						
Continental U. S.....	24,067,027	20,600,543	3,226,747	229,737	472,789	98,882	302,694	266,140	224,828
New England.....	1,602,273	1,356,730	233,450	12,093	10,931	7,377	23,706	17,275	17,485
Maine.....	170,362	132,902	35,271	2,189	5,893	1,093	2,909	2,326	2,419
New Hampshire.....	107,923	87,759	19,872	292	1,922	1,104	2,167	1,764	2,070
Vermont.....	74,114	65,652	7,924	538	683	553	2,073	1,787	1,961
Massachusetts.....	793,889	659,934	99,854	4,101	525	1,448	6,508	3,706	3,296
Rhode Island.....	137,591	118,296	17,965	1,330	92	954	2,198	1,755	906
Connecticut.....	318,394	262,187	52,564	3,643	1,816	2,225	7,851	5,937	6,833
Middle Atlantic.....	4,773,345	4,081,277	640,233	51,835	26,846	32,592	86,881	70,355	47,002
New York.....	2,265,414	1,942,249	298,508	24,657	13,545	13,786	42,318	37,713	14,240
New Jersey.....	855,507	723,506	122,228	9,773	3,162	6,055	15,378	11,055	12,286
Pennsylvania.....	1,652,424	1,415,522	210,497	17,405	10,139	12,751	29,185	21,587	20,476
East North Central.....	5,560,775	4,848,718	686,722	25,334	179,943	19,280	70,082	65,750	58,792
Ohio.....	1,570,052	1,396,125	158,189	15,738	61,156	6,293	17,678	16,826	13,819
Indiana.....	770,660	653,710	116,361	589	27,996	2,561	7,847	6,922	5,305
Illinois.....	1,464,860	1,276,864	186,186	1,810	9,228	4,959	16,229	15,544	14,879
Michigan.....	1,078,075	955,570	121,639	866	78,998	2,914	18,560	17,003	17,227
Wisconsin.....	677,128	566,450	104,347	6,331	2,565	2,553	9,768	9,455	7,562
West North Central.....	3,281,335	2,794,801	446,872	19,682	63,584	7,195	34,039	32,549	30,665
Minnesota.....	682,996	580,113	99,130	3,753	19,648	1,765	6,367	6,197	5,631
Iowa.....	637,105	562,802	69,490	4,813	2,416	1,719	10,695	10,319	9,905
Missouri.....	701,456	594,567	103,795	3,094	13,110	1,513	9,357	8,745	9,026
North Dakota.....	154,523	128,547	25,342	634	143	204	1,382	1,338	189
South Dakota.....	170,513	146,485	22,764	1,264	9,693	297	1,459	1,410	1,406
Nebraska.....	392,417	336,704	53,947	1,766	14,727	988	1,722	1,600	1,650
Kansas.....	522,325	445,583	72,404	4,338	3,847	709	3,577	2,940	2,858
South Atlantic.....	2,274,008	1,926,955	313,712	33,701	37,525	9,425	29,039	25,662	20,447
Delaware.....	51,741	42,614	8,485	642	912	409	1,014	858	1,014
Maryland.....	315,692	278,546	34,728	2,418	1,383	1,485	3,581	2,733	2,116
Dist. Columbia.....	154,433	133,048	16,742	4,643	1,112	918	626	156	156
Virginia.....	350,365	288,048	56,656	5,661	1,845	1,817	6,090	5,757	5,475
West Virginia.....	230,211	193,570	33,415	3,226	2,094	1,254	3,838	3,523	3,689
North Carolina.....	391,749	332,648	49,660	9,441	13,012	1,151	5,556	4,915	5,118
South Carolina.....	165,746	144,940	17,795	3,011	1,764	601	2,503	2,142	2,136
Georgia.....	330,845	278,935	51,212	698	5,836	956	1,036	989	899
Florida.....	283,226	234,246	45,019	3,961	9,567	834	4,995	4,789	4,789
East South Central.....	987,711	849,055	128,721	9,935	7,839	2,719	11,708	11,376	10,965
Kentucky.....	297,927	262,436	32,111	3,380	(²)	889	4,174	4,052	3,938
Tennessee.....	315,095	278,332	33,848	2,915	2,982	1,064	2,940	2,824	2,673
Alabama.....	207,739	176,523	29,838	1,378	4,007	567	2,724	2,677	2,583
Mississippi.....	166,950	131,764	32,924	2,262	850	199	1,870	1,823	1,771
West South Central.....	2,092,300	1,744,784	329,620	17,896	54,101	5,421	21,951	20,654	20,765
Arkansas.....	188,939	155,262	32,980	747	6,887	356	1,769	1,622	1,692
Louisiana.....	236,836	190,681	42,007	4,148	6,957	778	4,053	3,692	3,923
Oklahoma.....	454,454	385,755	65,957	2,742	4,184	700	3,382	3,320	3,035
Texas.....	1,212,021	1,013,086	188,676	10,259	36,073	3,587	12,747	12,020	12,115
Mountain.....	830,508	697,802	132,574	10,133	15,434	2,590	7,600	6,801	6,200
Montana.....	112,176	82,765	27,450	1,931	483	272	1,070	1,018	1,027
Idaho.....	97,674	81,371	14,884	1,419	10,039	291	1,402	1,361	1,297
Wyoming.....	53,365	41,917	10,643	805	20	121	679	667	667
Colorado.....	267,012	239,058	27,433	521	832	788	2,036	1,555	1,359
New Mexico.....	77,892	61,353	15,290	1,249	983	263	667	629	380
Arizona.....	91,709	74,927	14,569	2,213	1,989	316	648	534	476
Utah.....	101,690	84,014	16,348	1,328	457	447	798	749	738
Nevada.....	28,991	22,397	5,927	667	631	92	300	288	257
Pacific.....	2,674,438	2,310,780	314,843	48,815	76,586	12,283	17,686	15,616	12,510
Washington.....	435,412	364,858	62,548	8,006	4,849	1,804	2,483	1,851	1,912
Oregon.....	243,152	207,202	32,208	3,742	1,750	1,421	6,337	5,092	4,767
California.....	1,995,874	1,738,720	220,087	37,067	69,987	9,058	9,866	8,573	5,831

¹ Includes registration fees, licenses, permits, fines, etc.; excludes gasoline taxes.² Includes 333 "cars at large" not allocated to any State³ Busses included with trucks⁴ Data cover 10 months ended Oct. 31, as registration year was changed.⁵ Trailers included with trucks⁶ Data cover registration year ended June 30, 1933

Source. Bureau of Public Roads, Department of Agriculture.

No. 387.—AUTOMOBILE FATALITIES IN ENTIRE DEATH REGISTRATION AREA IN CONTINENTAL UNITED STATES

NOTE.—Figures include all deaths from accidents caused by motor vehicles except motor cycles, but exclude deaths from collisions of automobiles with railroad trains and street cars

Year	Entire registration area			Registration States				
	Population	Number of deaths	Rate per 100,000 population	Population	Number of deaths	Rate per 100,000 population	Number of cars registered	Deaths per 100,000 cars
1911.....	59,183,071	1,291	2.2	54,285,189	1,180	2.2	—	—
1912.....	60,359,974	1,758	2.9	55,188,437	1,503	2.8	—	—
1913.....	63,200,625	2,488	3.9	58,235,115	2,241	3.8	882,911	253.8
1914.....	65,813,315	2,826	4.3	60,943,663	2,571	4.2	1,234,844	208.2
1915.....	67,095,681	3,978	5.9	61,831,753	3,589	5.8	1,775,064	202.2
1916.....	71,349,162	5,193	7.3	66,371,691	4,787	7.1	2,511,805	188.6
1917.....	74,984,498	6,724	9.0	69,646,824	6,064	8.7	3,530,268	171.8
1918.....	81,333,675	7,525	9.3	79,536,574	7,310	9.2	4,715,317	155.0
1919.....	85,166,043	7,968	9.4	83,612,508	7,771	9.3	5,922,572	131.2
1920.....	87,632,592	9,103	10.4	86,179,774	8,878	10.3	7,440,420	119.3
1921.....	89,102,434	10,168	11.4	87,592,175	9,903	11.3	8,578,536	115.4
1922.....	93,866,240	11,666	12.4	92,540,579	11,466	12.4	10,374,993	110.5
1923.....	97,816,104	14,411	14.7	96,385,407	14,157	14.7	13,359,965	106.0
1924.....	100,082,062	15,528	15.5	98,471,683	15,221	15.5	15,714,878	96.9
1925.....	102,951,999	17,571	17.1	101,111,137	17,149	17.0	17,875,567	95.9
1926.....	104,938,301	18,871	18.0	102,991,160	18,419	17.9	19,838,947	92.8
1927.....	108,177,568	21,160	19.6	106,309,646	20,704	19.5	21,084,564	98.2
1928.....	114,258,516	23,765	20.8	113,050,063	23,427	20.7	23,126,127	101.3
1929.....	116,317,515	27,066	23.3	115,097,972	26,662	23.2	25,097,555	106.2
1930.....	118,560,800	29,080	24.5	117,338,000	28,684	24.4	25,350,499	113.1
1931.....	119,421,000	30,042	25.2	118,157,000	29,658	25.1	24,705,328	120.0
1932.....	120,122,000	26,350	21.9	118,858,000	26,033	21.9	23,085,036	112.8

Year	Rural area of registration States			Cities in registration States			Cities in nonregistration States		
	Population	Number of deaths	Rate per 100,000 population	Population	Number of deaths	Rate per 100,000 population	Population	Number of deaths	Rate per 100,000 population
1911.....	26,901,350	306	1.1	27,383,839	844	3.1	4,897,882	141	2.9
1912.....	27,144,493	442	1.6	28,043,944	1,121	4.0	5,171,537	195	3.8
1913.....	29,108,597	687	2.4	29,126,518	1,554	5.3	4,965,510	247	5.0
1914.....	30,829,210	896	2.9	30,114,453	1,675	5.6	4,869,652	255	5.2
1915.....	31,078,193	1,226	3.9	30,803,560	2,363	7.7	5,213,928	389	7.5
1916.....	34,752,780	1,684	4.8	31,618,911	3,053	9.7	4,977,471	456	9.2
1917.....	36,928,787	2,174	5.9	32,718,037	3,890	11.9	5,337,674	660	12.4
1918.....	41,844,499	2,368	5.7	37,692,075	4,942	13.1	1,797,101	215	12.0
1919.....	44,664,983	2,508	5.6	38,947,525	5,263	13.5	1,553,535	197	12.7
1920.....	44,475,250	2,757	6.2	41,704,524	6,121	14.7	1,452,818	225	15.5
1921.....	45,070,088	3,368	7.5	42,522,087	6,535	15.4	1,510,259	265	17.5
1922.....	48,575,329	4,020	8.3	43,965,250	7,446	16.9	1,325,061	200	15.1
1923.....	50,867,586	5,209	10.2	45,517,821	8,948	19.7	1,430,697	254	17.8
1924.....	52,047,381	6,060	10.9	46,425,302	9,553	20.6	1,610,379	307	19.1
1925.....	53,580,742	6,909	12.1	47,530,395	10,640	22.4	1,840,862	422	22.9
1926.....	54,389,753	7,348	13.5	48,601,407	11,071	22.8	1,947,141	452	23.2
1927.....	56,613,922	8,452	14.9	49,695,724	12,252	24.7	1,867,922	456	24.4
1928.....	61,350,563	9,997	16.3	51,700,100	13,430	26.0	1,207,853	338	28.0
1929.....	62,421,794	11,797	18.9	52,676,178	14,865	28.2	1,219,543	404	33.1
1930.....	60,565,200	12,193	20.1	56,772,800	16,491	29.0	1,222,800	396	32.4
1931.....	60,302,100	12,702	21.1	57,854,900	16,956	29.3	1,264,200	384	30.4
1932.....	61,033,400	11,304	18.5	57,824,600	14,729	25.5	1,264,200	317	25.1

Sources: Bureau of the Census, Department of Commerce, and Bureau of Public Roads, Department of Agriculture.

No. 388.—AUTOMOBILE FATALITIES IN STATES AND LARGE CITIES HAVING DEATH REGISTRATION

NOTE.—Figures include all deaths from accidents caused by motor vehicles except motor cycles, but exclude deaths from collisions of automobiles with railroad trains and street cars See Table 68 for per cent of total population included in the registration area for each year.

State	Number of deaths						Rate per 100,000 estimated population					
	1921-1925, avg	1926-1930, avg	1929	1930	1931	1932	1921-1925, avg.	1926-1930, avg.	1929	1930	1931	1932
Registration area in continental United States.....	13,869	23,988	27,066	29,080	30,042	26,350	14.3	21.3	23.3	24.5	25.2	21.9
Registration States.....	13,579	23,579	26,662	28,684	29,658	26,033	14.3	21.3	23.2	24.4	25.1	21.9
Cities.....	8,624	13,622	14,865	16,491	16,956	14,729	19.1	26.3	28.2	29.0	29.3	25.5
Rural.....	4,955	9,957	11,797	12,193	12,702	11,304	9.9	16.9	18.9	20.1	21.1	18.5
Cities in nonregistration States.....	290	409	404	396	384	317	18.8	27.4	33.1	32.4	30.4	25.1
All registration cities.....	8,914	14,031	15,269	16,887	17,340	15,046	19.1	26.3	28.3	29.1	29.3	25.5
REGISTRATION STATES												
Alabama.....	252	392	445	459	472	405	10.0	15.1	17.0	17.3	17.7	15.1
Arizona.....	(3)	143	153	181	149	162	(3)	34.2	35.7	41.3	33.6	38.2
Arkansas.....	(3)	242	282	306	313	290	(3)	13.1	15.3	16.5	16.8	13.9
California.....	1,131	1,828	2,100	2,193	2,367	2,198	27.0	34.5	38.1	38.3	40.5	37.0
Colorado.....	148	232	254	271	319	284	15.2	22.8	25.1	26.1	30.6	27.1
Connecticut.....	260	376	433	407	457	409	17.8	24.0	27.2	25.2	28.1	25.0
Delaware.....	36	64	57	74	76	79	15.8	27.1	24.0	31.0	31.7	32.9
Florida.....	217	478	488	563	518	485	10.0	34.6	34.1	38.0	34.4	31.7
Georgia.....	260	519	527	562	608	541	9.0	17.8	18.1	19.3	20.9	18.6
Idaho.....	746	87	81	109	88	86	10.5	19.7	18.2	24.5	19.7	19.2
Illinois.....	1,051	1,645	1,685	1,945	2,049	1,831	15.3	22.1	22.3	25.4	26.5	23.6
Indiana.....	399	772	897	965	1,023	845	13.1	24.2	27.9	29.7	31.4	25.8
Iowa.....	241	376	404	601	564	422	9.9	15.3	16.4	24.3	22.8	17.0
Kansas.....	193	322	373	439	402	386	10.7	17.3	19.9	23.3	21.3	20.4
Kentucky.....	167	357	389	477	514	441	6.7	13.8	15.0	18.2	19.5	16.7
Louisiana.....	162	332	373	371	412	341	8.5	16.2	17.9	17.6	19.4	15.9
Maine.....	83	127	151	159	159	149	10.7	16.0	19.0	19.9	19.9	18.6
Maryland.....	232	363	382	449	466	410	15.3	22.7	23.6	27.4	28.3	24.8
Massachusetts.....	609	732	781	779	813	777	15.3	17.5	18.5	18.3	19.0	18.1
Michigan.....	714	1,284	1,411	1,384	1,407	1,143	17.5	27.7	29.7	28.4	28.5	22.9
Minnesota.....	306	439	505	561	622	486	12.5	17.3	19.8	21.8	24.1	18.8
Mississippi.....	96	265	284	332	284	234	5.1	13.4	14.2	16.5	14.0	11.5
Missouri.....	391	605	651	739	844	690	11.2	16.8	18.0	20.3	23.1	18.9
Montana.....	60	100	114	100	118	96	11.0	18.5	21.2	18.6	21.9	17.9
Nebraska.....	119	224	265	286	291	212	9.0	16.4	19.3	20.7	21.0	15.3
Nevada.....	(3)	40	45	34	63	59	(3)	44.2	50.0	37.4	63.5	63.4
New Hampshire.....	59	83	98	103	100	70	13.1	18.0	21.1	22.1	24.1	15.0
New Jersey.....	643	1,040	1,209	1,211	1,229	1,105	18.6	26.7	30.4	28.9	29.9	26.6
New Mexico.....	(3)	104	97	111	95	97	(3)	24.7	23.2	26.1	22.2	22.5
New York.....	1,380	2,623	2,977	3,048	3,077	2,813	17.0	21.5	24.0	24.1	24.1	21.9
North Carolina.....	254	555	611	628	650	558	9.2	18.1	19.5	19.7	20.2	17.2
North Dakota.....	102	73	88	79	110	77	11.6	13.0	11.6	16.1	18.1	8.3
Ohio.....	988	1,708	1,990	2,019	1,970	1,822	16.3	26.3	30.2	30.3	28.3	27.0
Oklahoma.....	(3)	433	487	483	404	437	(3)	18.3	20.6	20.7	16.7	17.9
Oregon.....	125	221	221	253	292	223	14.9	23.9	23.5	26.4	30.2	22.9
Pennsylvania.....	1,405	2,011	2,159	2,422	2,412	2,043	15.6	21.2	22.6	25.1	24.9	21.0
Rhode Island.....	104	136	146	123	116	101	16.4	20.2	21.4	17.8	16.7	14.5
South Carolina.....	123	288	350	370	380	329	7.2	16.7	20.2	21.3	21.8	18.9
South Dakota.....	(3)	112	(3)	112	116	101	(3)	11.6	(3)	16.1	16.6	14.4
Tennessee.....	195	409	480	526	547	474	8.0	15.9	18.5	20.1	20.7	17.9
Utah.....	68	109	133	130	137	115	14.5	21.9	26.4	25.5	30.7	22.3
Vermont.....	42	62	64	71	71	63	11.8	17.3	17.8	19.7	19.7	17.5
Virginia.....	198	413	457	518	656	561	8.4	13.0	18.9	21.4	27.0	23.0
Washington.....	236	397	441	413	461	413	16.5	20.0	28.5	26.3	29.2	26.0
West Virginia.....	208	305	318	395	427	332	13.0	18.1	18.6	22.8	24.4	18.9
Wisconsin.....	306	568	612	712	731	624	11.2	19.7	21.0	24.2	24.7	21.0
Wyoming.....	51	65	73	72	98	78	24.7	29.9	32.7	31.9	43.0	34.1
REGISTRATION CITIES ¹²												
Akron.....	39	82	90	100	77	80	18.0	34.3	35.5	39.1	29.3	30.3
Albany.....	28	40	35	48	45	35	23.7	32.0	27.7	37.6	34.9	27.1
Atlanta.....	73	79	89	87	95	99	23.5	29.2	33.4	32.0	34.2	35.7
Baltimore.....	130	188	198	206	228	201	17.1	23.7	24.8	25.5	27.8	24.7
Birmingham.....	46	63	76	70	82	75	22.3	25.6	29.9	26.8	30.4	27.9

For footnotes see following page.

**NO. 388.—AUTOMOBILE FATALITIES IN STATES AND LARGE CITIES HAVING
DEATH REGISTRATION—Continued**

City	Number of deaths						Rate per 100,000 estimated population					
	1921- 1925, avg.	1926- 1930, avg.	1929	1930	1931	1932	1921- 1925, avg.	1926- 1930, avg.	1929	1930	1931	1932
Boston.....	132	138	145	120	148	151	17.4	17.8	18.6	15.3	18.8	19.2
Bridgeport.....	25	36	39	40	59	27	17.3	24.6	26.6	27.2	40.1	18.4
Buffalo.....	111	156	184	175	153	132	21.0	27.8	32.1	30.5	26.3	22.7
Chicago.....	567	795	768	841	953	846	20.4	24.4	23.1	24.8	27.6	24.5
Cincinnati.....	91	135	150	167	149	124	21.8	30.5	33.5	36.9	32.6	27.1
Cleveland.....	189	281	312	303	286	262	22.7	31.8	34.9	33.6	31.4	28.7
Columbus.....	54	99	117	135	121	99	21.1	35.0	40.7	46.3	40.9	33.5
Dallas.....	37	64	67	78	81	71	19.2	26.2	26.4	29.7	29.7	26.0
Dayton.....	28	61	75	71	75	58	16.6	31.7	34.0	35.2	36.7	28.3
Denver.....	44	63	69	80	86	86	16.5	22.3	24.2	27.7	29.5	29.5
Des Moines.....	19	33	33	46	43	45	14.2	23.6	23.3	32.2	29.8	31.1
Detroit.....	242	388	392	384	372	321	21.0	26.8	25.8	21.2	22.5	19.6
Flint.....	19	44	49	50	53	38	16.2	30.1	32.2	31.6	32.3	23.2
Fort Worth.....	21	43	55	56	55	56	15.3	27.3	34.1	31.1	32.9	33.4
Grand Rapids.....	28	38	44	47	36	29	19.1	23.2	26.4	27.8	21.0	16.9
Hartford.....	38	46	49	37	55	50	25.9	28.8	30.2	22.5	32.9	29.9
Houston.....	28	77	115	101	101	64	15.5	29.6	40.6	34.2	32.6	20.6
Indianapolis.....	58	110	29	134	156	99	17.5	31.0	35.8	36.7	42.2	26.8
Jacksonville.....	25	45	53	45	56	58	24.7	35.6	41.4	34.6	42.5	42.1
Jersey City.....	46	56	73	55	43	58	15.1	17.9	23.1	17.3	13.5	18.2
Kansas City, Kans.....	17	19	14	36	24	36	15.2	15.8	11.6	29.5	19.5	29.3
Kansas City, Mo.....	78	92	82	118	137	89	22.3	23.4	20.8	29.4	33.5	21.8
Long Beach.....	22	39	57	48	60	55	25.8	30.2	41.7	33.4	39.4	36.0
Los Angeles.....	220	365	430	417	488	486	27.6	32.2	36.0	33.3	37.0	36.8
Louisville.....	53	80	86	87	109	85	18.9	26.1	28.0	28.3	35.4	27.0
Memphis.....	41	75	82	87	100	101	23.4	36.2	39.9	34.3	38.6	30.0
Milwaukee.....	73	114	112	110	108	97	14.8	20.7	19.6	19.0	18.2	16.3
Minneapolis.....	68	88	108	110	114	91	16.7	19.6	23.5	24.6	24.1	19.2
Nashville.....	29	51	64	64	71	72	23.1	34.9	41.8	41.5	45.7	46.3
New Haven.....	34	49	62	45	51	53	20.9	30.1	38.1	27.7	31.3	32.6
New Orleans.....	64	108	124	120	126	91	15.5	21.2	27.3	26.1	27.0	19.5
New York.....	961	1,191	1,342	1,310	1,209	1,163	15.8	17.8	19.6	18.8	18.3	16.4
Newark, N. J.....	94	123	126	139	106	98	27.2	28.1	28.6	31.4	23.8	22.0
Norfolk.....	17	27	28	24	44	36	13.3	20.4	21.4	18.5	33.9	27.8
Oakland.....	44	74	85	111	101	64	18.4	27.2	30.5	38.9	34.6	21.9
Oklahoma City.....	15	44	59	76	55	66	12.2	26.1	33.0	40.5	27.9	33.6
Omaha.....	30	49	60	58	66	44	15.1	23.3	28.3	27.0	30.5	20.3
Paterson.....	39	50	59	50	52	56	28.5	36.2	42.7	36.1	37.5	40.3
Philadelphia.....	262	346	381	377	354	321	14.0	17.9	19.6	19.3	18.0	16.3
Pittsburgh.....	146	193	197	228	218	159	23.7	29.4	29.6	34.0	32.2	23.5
Portland, Oreg.....	40	61	56	71	95	74	14.7	20.8	18.7	23.4	30.9	24.1
Providence.....	56	69	69	72	52	51	23.1	27.6	27.4	28.4	20.4	20.0
Richmond.....	28	49	51	59	90	67	16.0	27.1	27.0	32.2	48.8	36.4
Rochester.....	48	67	58	80	76	62	15.6	20.8	17.8	21.3	22.9	18.7
St. Louis.....	164	177	172	175	180	156	20.8	21.8	21.0	21.3	21.7	18.8
St. Paul.....	45	61	69	76	87	84	18.2	23.0	25.7	27.9	31.5	30.4
Salt Lake City.....	28	42	58	44	50	58	22.3	30.8	41.8	31.3	35.0	40.5
San Antonio.....	30	58	72	66	63	50	16.2	26.4	31.8	28.3	26.2	20.8
San Diego.....	30	57	62	77	66	68	30.3	41.6	43.3	51.5	42.2	43.5
San Francisco.....	107	137	119	133	126	132	19.4	22.4	19.0	20.9	19.4	20.3
Scranton.....	30	38	49	44	36	32	21.5	26.7	34.3	30.6	25.0	22.2
Seattle.....	52	85	104	83	112	80	15.6	23.8	28.7	22.6	31.2	21.5
Springfield, Mass.....	22	35	40	46	33	28	16.1	23.9	27.0	30.6	21.7	18.0
Syracuse.....	37	53	59	61	70	39	20.3	26.1	28.5	29.0	32.8	18.3
Toledo.....	52	96	106	107	120	109	20.1	33.9	36.8	36.7	40.4	36.7
Trenton.....	32	48	58	57	56	41	26.5	39.1	47.1	46.2	45.2	33.1
Tulsa.....	(3)	39	37	50	33	34	(9)	29.4	27.1	35.2	22.6	23.3
Washington, D. C.....	80	117	117	138	161	186	17.6	24.5	24.2	28.3	32.8	37.7
Worcester.....	33	40	33	53	37	31	17.8	26.8	17.0	27.1	18.8	15.7
Yonkers.....	16	22	27	19	24	17	14.3	17.1	20.4	14.0	17.3	12.2
Youngstown.....	36	63	88	64	69	41	25.7	40.8	57.4	37.5	30.9	23.7

¹ Including the District of Columbia

² 1925 only.

³ Not in registration area.

⁴ Average, 1927-1930.

⁵ Average, 1922-1924.

⁶ Average, 1928-1930.

⁷ Average, 1922-1925.

⁸ Average, 1923-1925

⁹ Average, 1929 and 1930

¹⁰ Average, 1924 and 1925.

¹¹ 1930 only

¹² Only cities of over 120,000 inhabitants, according to 1930 census, are shown

26.—TRANSPORTATION, AIR AND LAND—STEAM AND ELECTRIC RAILWAYS, EXPRESS COMPANIES, AND CIVIL AERONAUTICS

[Data in this section relate to continental United States unless otherwise stated]

GENERAL NOTE.—The total steam railroad mileage of the United States includes: (a) Regular interstate carriers (and their nonoperating subsidiaries) reporting to the Interstate Commerce Commission, (b) switching and terminal railroads, also reporting to the commission, and (c) private railroads (defined by the commission as "circular" because they report on brief circulars and as "unofficial"). Except in certain mileage data the circular and unofficial companies are not included in any of the statistics. The switching and terminal roads were formerly included with operating railways, but are now separated, and data for them do not appear in most of the tables.

Nonoperating subsidiaries include proprietary companies, which are covered by the reports of operating carriers, and lessor companies which have no traffic and whose reports appear only in statistics of capitalization, dividends, and investment.

Operating railways are divided into three classes, according to the amount of their annual operating revenues: Class I, having more than \$1,000,000 of such revenue; Class II, from \$100,000 to \$1,000,000; and Class III, less than \$100,000. During recent years more detailed reports are required from Class I carriers than from smaller companies. The basis of the figures in each table is indicated by notes. Omission of Class II and Class III railroads affects very little the comparability of statistics with those of earlier years as regards most items, since the bulk of the business is done by Class I.

The Interstate Commerce Commission divides railroads geographically into three districts and eight subsidiary regions. Each railroad is treated as a unit and placed wholly in some one district or region. Broadly speaking, the eastern district includes territory east of Chicago and north of the Ohio and Potomac Rivers, southern district, territory east of the Mississippi River and south of the Ohio and Potomac Rivers, and western district the remainder of the country.

Class I companies make monthly reports and the yearly totals from these become available earlier than the sometimes slightly corrected totals from the final annual reports. The latest figures in these tables are in many cases from the monthly reports.

No. 389.—RAILWAY MILEAGE OWNED AND MILEAGE OPERATED CLASSIFIED BY TRACKAGE

NOTE.—Beginning with 1908 switching and terminal roads are omitted (they operate about 2,000 miles of first main track). The first and second columns cover all railways including "circular" and "unofficial" lines; the last five columns omit "circular" and "unofficial" lines. Mileage owned excludes all duplication and covers continental United States only. Mileage operated includes some duplication under trackage rights and some mileage in Canada operated by United States companies.

Year	Miles of road (first track) owned	Miles operated					Class I railways Road (first track)
		All railways Road (first track)	Reporting railways			Total track	
			Road (first track)	Other main tracks	Yard track and sidings		
June 30, 1890	163, 597	167, 191	156, 404	9, 760	33, 711	199, 875	
1895	180, 657	184, 628	177, 746	12, 348	43, 181	233, 275	
1900	193, 346	198, 964	192, 556	14, 075	52, 153	258, 784	
1905	218, 101	225, 196	216, 974	19, 881	69, 942	306, 797	
1910	240, 293	249, 992	240, 831	25, 354	85, 582	351, 767	
1911	243, 979	254, 732	246, 238	27, 612	88, 974	362, 824	216, 877
1912	246, 777	258, 033	249, 852	29, 367	92, 019	371, 238	220, 063
1913	249, 777	261, 036	253, 470	30, 827	95, 211	379, 508	224, 236
1914	252, 105	263, 547	256, 547	32, 376	98, 285	387, 208	226, 999
1915	253, 789	264, 378	257, 569	33, 662	99, 910	391, 141	228, 989
Dec. 31, 1916	254, 037	266, 381	259, 705	34, 325	102, 984	397, 014	231, 674
1917	253, 626	266, 015	259, 705	35, 066	105, 582	400, 353	232, 697
1918	253, 529	264, 233	258, 507	36, 228	107, 608	402, 343	233, 145
1919	253, 152	263, 707	258, 525	36, 730	108, 637	403, 892	234, 363
1920	252, 845	263, 821	259, 941	36, 894	109, 744	406, 579	235, 234
1921	251, 176	262, 544	258, 362	37, 614	111, 555	407, 531	234, 702
1922	250, 413	261, 984	257, 425	37, 888	114, 046	409, 359	234, 976
1923	250, 222	262, 482	258, 084	38, 697	116, 212	412, 993	235, 574
1924	250, 156	262, 158	258, 238	39, 916	116, 874	415, 028	235, 894
1925	249, 398	261, 871	258, 631	40, 962	118, 361	417, 954	236, 849
1926	249, 138	261, 562	258, 815	41, 686	120, 840	421, 341	237, 054
1927	249, 131	262, 091	259, 639	42, 071	123, 027	424, 737	238, 634
1928	249, 309	262, 713	260, 546	42, 432	124, 772	427, 750	240, 747
1929	249, 433	262, 546	260, 570	42, 711	125, 774	429, 055	242, 015
1930	249, 652	262, 215	260, 440	42, 742	126, 701	429, 883	242, 391
1931	248, 829	261, 816	259, 999	42, 780	127, 044	429, 823	242, 292
1932	247, 595	260, 438	258, 869	42, 556	126, 977	428, 402	241, 424

Source: Interstate Commerce Commission.

No. 390.—RAILWAY MILEAGE OWNED: BY STATES

NOTE.—See headnote to Table 389. The data are for the actual length of line in each State without duplication. Figures relate to June 30 prior to 1920 and Dec. 31 thereafter, they include reporting, circular, and unofficial railways, but since 1908 exclude switching and terminal roads.

State	1860 ¹	1870 ¹	1880 ¹	1890	1900	1910 ¹	1920	1930	1931	1932
United States ²	30, 626	52, 922	93, 267	163, 597	193, 346	240, 439	252, 845	249, 052	248, 829	247, 595
New England.....	3, 680	4, 494	5, 982	6, 718	7, 521	7, 921	7, 942	7, 596	7, 589	7, 563
Maine.....	472	786	1, 005	1, 338	1, 915	2, 248	2, 295	2, 193	2, 192	2, 181
New Hampshire.....	661	736	1, 015	1, 145	1, 230	1, 246	1, 252	1, 165	1, 165	1, 134
Vermont.....	554	614	914	921	1, 012	1, 100	1, 077	1, 056	1, 051	1, 051
Massachusetts.....	1, 264	1, 480	1, 915	2, 094	2, 119	2, 115	2, 106	2, 022	2, 014	2, 016
Rhode Island.....	108	136	210	213	212	212	211	191	194	205
Connecticut.....	601	742	923	1, 007	1, 024	1, 000	1, 001	969	973	976
Middle Atlantic.....	5, 840	9, 709	13, 832	18, 161	20, 709	21, 980	22, 293	21, 752	21, 722	21, 651
New York.....	2, 682	3, 928	5, 957	7, 661	8, 121	8, 430	8, 390	8, 312	8, 282	8, 261
New Jersey.....	560	1, 125	1, 684	2, 047	2, 257	2, 260	2, 352	2, 299	2, 285	2, 284
Pennsylvania.....	2, 598	4, 656	6, 191	8, 453	10, 331	11, 290	11, 551	11, 141	11, 155	11, 106
South Atlantic.....	5, 976	7, 349	9, 789	18, 270	23, 362	29, 795	32, 880	31, 644	31, 649	31, 327
Delaware.....	127	197	275	323	347	335	335	325	325	325
District of Columbia.....	(⁴)	(⁴)	(⁴)	30	32	36	36	36	36	37
Maryland.....	386	671	1, 040	1, 231	1, 376	1, 426	1, 436	1, 443	1, 439	1, 438
Virginia.....	1, 379	1, 486	1, 893	3, 160	3, 779	4, 535	4, 703	4, 516	4, 492	4, 473
West Virginia.....	352	387	691	1, 328	2, 228	3, 601	3, 996	4, 046	4, 125	4, 109
North Carolina.....	937	1, 178	1, 486	3, 061	3, 831	4, 932	5, 622	5, 161	5, 058	4, 998
South Carolina.....	973	1, 139	1, 427	2, 194	2, 818	3, 442	3, 814	3, 780	3, 775	3, 751
Georgia.....	1, 420	1, 845	2, 459	4, 532	5, 652	7, 056	7, 326	6, 671	6, 638	6, 638
Florida.....	402	446	518	2, 471	3, 299	4, 432	5, 212	5, 666	5, 628	5, 558
East North Central.....	9, 583	14, 701	25, 109	36, 994	41, 007	44, 928	44, 904	43, 770	43, 543	43, 075
Ohio.....	2, 946	3, 538	5, 792	7, 912	8, 807	9, 134	9, 002	8, 804	8, 733	8, 604
Indiana.....	2, 163	3, 177	4, 373	5, 971	6, 471	7, 426	7, 426	7, 106	7, 106	7, 089
Illinois.....	2, 790	4, 823	7, 851	10, 214	11, 003	11, 878	12, 188	12, 500	12, 472	12, 411
Michigan.....	779	1, 638	3, 938	7, 243	8, 195	9, 021	8, 734	8, 072	8, 020	7, 832
Wisconsin.....	905	1, 525	3, 155	5, 584	6, 631	7, 475	7, 554	7, 288	7, 217	7, 139
West North Central.....	1, 472	8, 048	19, 094	38, 354	42, 988	49, 730	52, 180	51, 400	51, 383	51, 185
Minnesota.....	1, 092	3, 151	5, 466	8, 948	9, 669	9, 114	8, 779	8, 773	8, 773	8, 709
Iowa.....	355	2, 683	5, 400	8, 356	9, 135	9, 755	9, 808	9, 698	9, 685	9, 625
Missouri.....	817	2, 000	3, 965	6, 004	6, 875	8, 083	8, 117	7, 897	7, 870	7, 814
North Dakota.....	⁴ 65	⁴ 1, 225	1, 941	2, 731	4, 201	5, 311	5, 275	5, 275	5, 275	5, 275
South Dakota.....	(⁶)	(⁶)	2, 486	2, 850	3, 948	4, 276	4, 238	4, 219	4, 220	4, 220
Nebraska.....	705	1, 953	5, 295	5, 685	6, 067	6, 166	6, 174	6, 173	6, 159	6, 159
Kansas.....	1, 501	3, 400	8, 806	8, 719	9, 007	9, 388	9, 339	9, 283	9, 283	9, 283
East South Central.....	3, 392	4, 656	6, 343	11, 144	13, 343	17, 074	17, 754	17, 452	17, 358	17, 170
Kentucky.....	534	1, 017	1, 530	2, 746	3, 060	3, 526	3, 929	4, 054	3, 991	3, 901
Tennessee.....	1, 253	1, 492	1, 843	2, 752	3, 137	3, 816	4, 078	3, 940	3, 941	3, 921
Alabama.....	743	1, 157	1, 843	3, 314	4, 226	5, 226	5, 378	5, 249	5, 256	5, 226
Mississippi.....	862	990	1, 127	2, 332	2, 920	4, 506	4, 369	4, 209	4, 170	4, 122
West South Central.....	680	1, 417	5, 044	13, 782	18, 921	31, 122	32, 972	33, 227	33, 398	33, 328
Louisiana.....	335	450	652	1, 759	2, 824	5, 554	5, 223	4, 654	4, 639	4, 607
Texas.....	307	711	3, 244	8, 613	9, 886	14, 282	16, 125	17, 069	17, 204	17, 198
Oklahoma.....	—	—	289	1, 214	2, 151	5, 980	6, 572	6, 678	6, 742	6, 741
Arkansas.....	38	256	859	2, 196	3, 360	5, 306	5, 052	4, 826	4, 813	4, 782
Mountain.....	1, 466	5, 082	12, 678	15, 808	22, 956	25, 170	24, 973	24, 973	24, 973	24, 912
Montana.....	—	106	2, 181	3, 010	4, 207	5, 072	5, 228	5, 212	5, 212	5, 208
Wyoming.....	—	459	512	942	1, 229	1, 645	1, 931	2, 036	2, 037	2, 036
Colorado.....	—	187	1, 570	4, 176	4, 687	5, 533	5, 519	4, 972	4, 964	4, 956
New Mexico.....	—	—	758	1, 324	1, 753	3, 032	2, 972	2, 973	3, 009	2, 992
Arizona.....	—	—	349	1, 097	1, 512	2, 097	2, 478	2, 494	2, 472	2, 454
Utah.....	—	257	842	1, 090	1, 547	1, 986	2, 161	2, 196	2, 196	2, 178
Nevada.....	—	593	739	925	909	2, 277	2, 160	2, 109	2, 131	2, 155
Idaho.....	—	—	206	941	1, 261	2, 179	2, 877	2, 965	2, 952	2, 933
Pacific.....	23	1, 084	2, 992	7, 587	10, 389	14, 932	17, 248	17, 238	17, 314	17, 384
Washington.....	—	—	289	1, 783	2, 914	4, 875	5, 587	5, 542	5, 524	5, 448
Oregon.....	—	159	508	1, 428	1, 724	2, 285	3, 305	3, 456	3, 473	3, 484
California.....	23	925	2, 195	4, 356	5, 751	7, 772	8, 356	8, 240	8, 317	8, 452
Alaska Territory.....	—	—	—	—	22	390	246	790	750	750
Hawaii Territory.....	—	—	—	—	—	175	243	232	232	228

¹ Represents mileage operated.² Revised total 240,293 not distributed by States.³ Totals exclude Alaska and Hawaii.⁴ Included in returns for Maryland.⁵ Figures for Dakota.⁶ For total Dakota see North Dakota.

Source Interstate Commerce Commission.

No. 391.—RAILWAY MILEAGE OWNED AND OPERATED

NOTE—See note to Table 389. Since 1890 the columns correspond to the first and third columns of that table. The exact basis of the data prior to 1890 is not stated. For years 1842 to 1889 and 1916 to date data relate to Dec. 31, for years 1890 to 1915 data relate to June 30.

Year	Owned	Operated	Year	Owned	Operated	Year	Owned	Operated
1842		4, 026	1891	168, 403	161, 275	1912	246, 777	240, 852
1850		9, 021	1892	171, 564	162, 397	1913	249, 777	253, 470
1855		18, 374	1893	176, 461	169, 780	1914	252, 105	256, 547
1860		30, 626	1894	178, 709	175, 691	1915	253, 789	257, 569
1865		35, 085	1895	180, 657	177, 746	1916	254, 037	259, 705
1870		52, 922	1896	182, 777	181, 983	1917	253, 626	259, 705
1875		74, 096	1897	184, 422	183, 284	1918	253, 529	258, 507
1877		79, 082	1898	186, 396	184, 048	1919	253, 152	258, 525
1878		81, 747	1899	189, 295	187, 535	1920	252, 845	259, 941
1879		86, 556	1900	193, 346	192, 556	1921	251, 176	258, 362
1880		93, 262	1901	197, 237	195, 562	1922	250, 413	257, 425
1881		103, 103	1902	202, 472	200, 155	1923	250, 222	258, 084
1882		103, 677	1903	207, 977	205, 314	1924	250, 156	258, 238
1883		121, 422	1904	213, 904	212, 243	1925	249, 398	258, 631
1884		125, 345	1905	218, 101	216, 974	1926	249, 138	258, 815
1885		128, 320	1906	224, 363	222, 340	1927	249, 131	259, 639
1886		136, 338	1907	229, 951	227, 455	1928	249, 309	260, 546
1887		149, 214	1908	233, 468	230, 494	1929	249, 433	260, 570
1888		156, 114	1909	236, 834	235, 402	1930	249, 052	260, 440
1889		161, 276	1910	240, 293	240, 831	1931	248, 829	259, 999
1890	167, 597	156, 404	1911	243, 979	246, 238	1932	247, 395	258, 869

Source: Poor's Manual of Railroads prior to 1890, Interstate Commerce Commission thereafter

No. 392.—MILEAGE OPERATED AND EQUIPMENT: CLASS I CARRIERS

NOTE—Mileage operated includes some duplication due to trackage rights and some mileage in Canada operated by United States companies. For car equipment in detail see Table 396.

Year ended Dec. 31	Mileage operated				Locomotives			Aggregate capacity of freight cars (1,000 tons)
	Road (first track)	Other main tracks	Yard track and sidings	Total track	Number, steam and electric	Tractive power, steam only		
						Aggregate (1,000 lbs)	Average (lbs)	
Total:								
1916	231, 674	34, 129	98, 334	364, 137	61, 332	2, 024, 119	33, 188	92, 280
1920	235, 234	36, 737	105, 408	377, 379	64, 746	2, 340, 761	36, 365	98, 343
1923	235, 574	38, 573	111, 708	385, 855	65, 327	2, 544, 115	39, 177	101, 317
1924	235, 894	39, 735	112, 253	387, 882	65, 358	2, 593, 178	39, 891	104, 149
1925	238, 849	40, 817	113, 873	391, 539	63, 974	2, 586, 868	40, 666	105, 570
1926	237, 054	41, 537	116, 353	394, 944	62, 761	2, 611, 238	41, 886	105, 953
1927	238, 634	41, 926	118, 654	399, 214	61, 344	2, 606, 171	42, 798	105, 846
1928	240, 747	42, 255	120, 479	403, 481	59, 441	2, 579, 043	43, 838	105, 322
1929	242, 015	42, 556	121, 882	406, 453	57, 537	2, 550, 813	44, 801	105, 411
1930	242, 391	42, 584	123, 024	407, 999	56, 493	2, 526, 940	45, 225	106, 180
1931	242, 292	42, 627	123, 318	408, 237	55, 055	2, 488, 861	45, 764	103, 422
1932	241, 424	42, 404	123, 241	407, 069	53, 217	2, 430, 328	46, 299	100, 901
Eastern district:								
1916	59, 175	20, 879	40, 056	120, 110	28, 170	958, 339	34, 333	47, 185
1920	59, 513	21, 734	42, 387	123, 634	29, 478	1, 102, 551	37, 762	49, 543
1925	59, 249	22, 882	45, 054	127, 185	28, 409	1, 193, 573	42, 608	51, 449
1929	60, 362	23, 448	46, 677	130, 487	25, 921	1, 141, 547	46, 563	50, 998
1930	60, 014	23, 131	46, 552	129, 697	24, 247	1, 108, 965	46, 531	50, 618
1931	59, 920	23, 057	46, 524	129, 501	23, 800	1, 095, 382	46, 942	49, 945
1932	59, 711	22, 892	46, 554	129, 157	22, 713	1, 067, 012	47, 628	49, 163
Southern district:								
1916	42, 753	3, 940	15, 695	62, 388	9, 754	323, 023	33, 165	15, 633
1920	43, 799	4, 436	17, 080	65, 315	10, 740	392, 332	36, 625	16, 380
1925	44, 241	5, 707	19, 199	69, 147	11, 158	457, 579	41, 112	18, 968
1929	45, 758	6, 149	21, 387	73, 294	10, 808	478, 826	44, 000	19, 177
1930	46, 087	6, 377	21, 882	74, 346	10, 717	483, 145	45, 404	19, 871
1931	46, 105	6, 363	21, 877	74, 345	10, 529	478, 876	45, 812	19, 484
1932	45, 886	6, 348	21, 853	74, 087	10, 449	476, 606	45, 947	19, 183
Western district:								
1916	129, 746	9, 310	42, 583	181, 639	23, 399	742, 757	31, 827	29, 463
1920	131, 922	10, 567	45, 941	188, 430	24, 628	845, 878	34, 684	31, 820
1925	133, 359	12, 228	49, 620	195, 207	21, 407	935, 716	38, 448	35, 153
1929	135, 895	12, 959	53, 818	202, 672	21, 808	930, 440	42, 900	35, 236
1930	136, 290	13, 076	54, 790	203, 956	21, 529	934, 830	43, 682	35, 691
1931	136, 267	13, 207	54, 917	204, 391	20, 726	914, 603	44, 405	33, 993
1932	135, 827	13, 164	54, 834	203, 825	20, 055	896, 710	45, 002	32, 555

¹ Includes second track, 36,678 miles, third track, 3,162 miles, fourth and other, 2,564 miles.

Source: Interstate Commerce Commission

No. 393.—MILEAGE OF ROAD AND TRACKS OPERATED: CLASS I CARRIERS, BY DISTRICTS

NOTE.—Figures include some mileage in Canada operated by United States companies as follows: 1916, 2,097 miles, 1920, 1,949 miles, 1925, 3,087 miles, 1930, 2,898 miles; 1931, 2,887 miles, 1932, 2,878 miles, consisting of 1,710 miles of road, 501 miles of second main track, 68 miles of industrial tracks, and 599 miles of yard track and sidings. Figures also include some industrial tracks as follows: 1925, 20,407 miles; 1930, 21,664 miles, 1931, 21,687 miles; 1932, 21,585 miles

District and year ended Dec. 31	Total, all tracks	Road (first main track)	Second main track	Third main track	Fourth and other main tracks	Yard track and sidings	Electrified mileage			
							Total track	Road (first main track)	Other main tracks	Yard track and sidings
All districts:										
1916.....	364, 137	231, 674	29, 223	2, 716	2, 190	98, 334	(¹)	(¹)	(¹)	(¹)
1920.....	377, 379	235, 234	31, 612	2, 936	2, 289	105, 408	3, 132	1, 449	900	783
1925.....	391, 539	236, 848	35, 200	3, 111	2, 506	113, 874	3, 598	1, 674	972	952
1930.....	407, 999	242, 391	36, 755	3, 239	2, 590	123, 024	5, 098	2, 381	1, 432	1, 285
1931.....	408, 237	242, 292	36, 861	3, 211	2, 555	123, 318	5, 225	2, 395	1, 464	1, 366
1932.....	407, 069	241, 424	36, 678	3, 162	2, 564	123, 241	5, 389	2, 410	1, 596	1, 383
Eastern district:										
1916.....	120, 110	59, 175	16, 666	2, 408	1, 805	40, 056	(¹)	(¹)	(¹)	(¹)
1931.....	129, 501	59, 920	18, 316	2, 735	2, 006	46, 524	3, 297	1, 255	1, 196	846
1932.....	129, 157	59, 711	18, 186	2, 689	2, 017	46, 554	3, 460	1, 274	1, 314	872
Southern district:										
1916.....	62, 339	42, 753	3, 725	43	173	15, 695	(¹)	(¹)	(¹)	(¹)
1931.....	74, 345	46, 105	5, 909	143	311	21, 877	660	270	182	208
1932.....	74, 087	45, 886	5, 903	135	310	21, 853	661	266	196	199
Western district:										
1916.....	181, 638	129, 746	8, 832	265	212	42, 583	(¹)	(¹)	(¹)	(¹)
1931.....	204, 391	136, 267	12, 636	333	238	54, 917	1, 268	870	86	312
1932.....	203, 825	135, 827	12, 589	338	237	54, 834	1, 268	870	86	312

¹ Data not available

² Does not include 43 miles of electric street railways operated by Boston & Maine R. R.

No. 394.—RAILWAY EQUIPMENT INSTALLED AND RETIRED FROM SERVICE: CLASS I CARRIERS

NOTE.—“Installed” includes new and used equipment purchased; equipment leased from others; the return to service of equipment that was leased to others; equipment rebuilt or converted, and units (except locomotives) transferred from one class of service to another. “Retired” includes equipment permanently withdrawn from transportation service, equipment leased to others, the return of leased equipment to the owning companies; equipment rebuilt or converted; and units (except locomotives) transferred from one class of service to another.

Year ended—	Locomotives		Freight-train cars		Passenger-train cars	
	Number installed	Number retired	Number installed	Number retired	Number installed	Number retired
June 30, 1910.....	3, 073	1, 452	134, 593	75, 652	3, 505	1, 914
1911.....	3, 694	1, 468	125, 532	68, 081	4, 250	1, 701
1912.....	2, 861	1, 858	97, 972	69, 876	3, 060	1, 387
1913.....	4, 351	2, 338	162, 670	96, 825	2, 823	1, 842
1914.....	3, 245	1, 862	150, 813	96, 995	3, 629	1, 854
1915.....	1, 114	1, 507	86, 012	90, 347	2, 664	1, 385
1916.....	1, 475	2, 676	83, 254	109, 996	1, 261	2, 156
Dec. 31, 1917.....	2, 148	1, 423	117, 210	62, 253	2, 535	1, 671
1918.....	2, 803	977	65, 249	56, 024	1, 817	1, 051
1919.....	2, 062	939	76, 019	43, 274	435	670
1920.....	1, 017	1, 254	36, 044	75, 197	621	885
1921.....	1, 330	1, 130	63, 406	69, 245	1, 681	929
1922.....	1, 226	1, 682	105, 394	126, 471	1, 328	1, 286
1923.....	4, 360	3, 746	232, 060	213, 789	2, 658	2, 360
1924.....	2, 786	2, 529	156, 572	118, 590	2, 755	2, 295
1925.....	1, 600	2, 873	139, 083	128, 573	3, 230	3, 569
1926.....	¹ 1, 882	¹ 3, 105	93, 369	103, 152	3, 455	3, 309
1927.....	¹ 1, 542	¹ 2, 976	73, 254	96, 991	2, 646	3, 612
1928.....	¹ 1, 017	¹ 3, 047	62, 945	90, 707	2, 524	3, 252
1929.....	¹ 1, 229	¹ 3, 134	94, 946	115, 869	2, 663	3, 499
1930.....	¹ 1, 160	¹ 2, 204	81, 038	82, 101	1, 900	2, 036
1931.....	¹ 482	¹ 1, 802	14, 910	82, 828	697	1, 938
1932.....	¹ 477	¹ 2, 316	8, 545	69, 394	579	1, 928

¹ Excludes units transferred from one class of service to another.

Source of Tables 393 and 394 Interstate Commerce Commission.

No. 395.—RAILWAY EQUIPMENT IN SERVICE, ALL REPORTING COMPANIES

NOTE.—“All reporting companies” include switching and terminal but not circular and unofficial lines. Data for tractive effort and capacity of cars exclude switching roads beginning with 1910 and smaller roads during recent years; they would not be materially different if all carriers were included. The large number of cars owned by private car lines is not included.

Year	Locomotives					Freight-train cars ¹				Passenger-train cars
	Total number	Number	Steam		Electric locomotive units ²	Total number	Capacity			
			Tractive effort				Aggregate (1,000 tons)	Average (tons)		
			Aggregate (1,000 lbs)	Average (lbs)						
June 30, 1900	37,663					1,365,531			34,713	
1910	60,019		1,588,894	27,282		2,148,478	76,579	35.9	47,179	
1915	66,502	66,229	2,014,201	31,546	273	2,341,567	92,238	39.6	55,810	
Dec. 31, 1916	65,595	65,255	2,066,166	32,890	342	2,329,475	94,441	40.8	55,193	
1917	66,070	65,699	2,087,950	33,932	371	2,379,472	95,467	41.5	55,939	
1918	67,936	67,563	2,223,246	34,995	373	2,397,943	96,767	41.6	56,611	
1919	68,977	68,592	2,312,634	35,789	385	2,426,889	99,001	41.9	56,290	
1920	68,942	68,554	2,340,761	36,365	388	2,388,424	98,343	42.4	56,102	
1921	69,122	68,733	2,385,470	36,935	389	2,378,510	98,504	42.5	56,950	
1922	68,518	68,121	2,401,452	37,441	397	2,352,483	98,847	43.1	56,827	
1923	69,414	69,005	2,544,115	39,177	409	2,379,131	101,318	43.8	57,159	
1924	69,486	69,114	2,593,178	39,891	372	2,411,627	104,149	44.3	57,451	
1925	68,092	67,713	2,586,868	40,666	379	2,414,083	105,570	44.8	56,814	
1926	66,816	66,381	2,611,238	41,886	435	2,403,967	105,953	45.1	56,855	
1927	65,348	64,843	2,606,171	42,798	467	2,378,800	105,846	45.5	55,729	
1928	63,311	62,642	2,579,643	43,838	617	2,346,751	106,322	45.8	54,800	
1929	61,257	60,572	2,550,813	44,801	621	2,323,683	105,411	46.3	53,838	
1930	60,189	59,406	2,526,940	45,225	663	2,322,267	106,180	46.6	53,584	
1931	58,652	57,820	2,488,861	45,764	709	2,245,904	103,422	47.0	52,096	
1932	56,732	55,831	2,430,323	46,299	764	2,184,690	100,901	47.0	50,598	

¹ Excludes caboose cars² Figures prior to 1928 represent “number of locomotives.”³ Class I, Class II, and Class III roads.⁴ Class I and Class II roads.⁵ Class I roads

No. 396.—CLASSIFICATION OF RAILWAY CARS IN SERVICE

NOTE.—Figures for “All operating companies” include switching and terminal companies but not circular and unofficial lines. Cars owned by private car lines, roughly equaling one-tenth of those owned by railway companies, are not included.

	All operating companies					Class I, 1932			
	1920	1925	1930	1931	1932	Total	Eastern district	South-eastern district	West-ern district
Freight cars ¹	2,388,424	2,414,083	2,322,267	2,245,904	2,184,690	2,144,631	992,766	410,159	741,706
Box	1,056,514	1,086,562	1,064,652	1,022,627	992,013	987,184	430,936	164,100	392,148
Flat	117,604	113,562	108,181	104,878	100,465	91,739	20,135	18,941	52,663
Stock	81,678	87,452	84,460	81,412	78,504	77,833	13,288	7,257	57,288
Coal	968,034	979,483	930,624	906,008	886,228	868,342	508,429	207,214	155,699
Tank	11,130	12,151	10,981	10,616	10,142	8,921	27	21	8,873
Refrigerator	60,768	49,488	41,006	38,996	37,697	37,058	2,944	5,026	29,058
Other	92,696	85,385	82,363	81,367	79,641	73,554	20,007	7,600	45,947
Steel ²	630,150	757,065	854,864	843,542	834,924	834,924	549,834	159,791	125,299
Steel underframe ²	886,290	1,056,125	1,118,257	1,011,565	1,078,353	1,078,353	410,421	190,529	477,403
Caboose cars	29,575	31,325	29,779	29,233	28,576	27,684	11,585	5,483	10,616
Passenger-train cars	56,102	56,814	53,584	52,096	50,598	49,353	25,117	7,474	16,762
Coaches	29,343	28,744	25,178	24,255	23,421	22,904	12,684	3,352	6,868
Combination	8,570	8,624	8,252	8,107	7,945	7,337	3,100	1,271	2,966
Emigrant	11	7							
Parlor	574	502	507	491	485	480	85	72	323
Sleeping ³	558	377	223	215	208	208	8	5	195
Baggage and express	12,101	13,174	12,981	12,578	12,313	12,238	6,278	1,706	4,254
Postal	1,243	1,092	954	952	963	958	376	188	394
Other	3,702	4,294	5,489	5,498	5,263	5,228	2,586	880	1,762
Steel ²	15,111	21,190	29,041	29,203	29,230	29,230	16,518	3,668	9,044
Steel underframe ²	6,573	9,369	10,376	10,335	10,250	10,250	5,433	1,625	3,192
Company service equipment	108,485	112,592	109,527	105,794	99,557	96,268	32,442	17,167	46,659
Motor cars and trailers ²	(4)	2,469	5,594	5,663	5,713	5,713	4,330	418	965

¹ Excludes caboose cars² Data represent Class I roads only.³ Does not include cars owned by Pullman Co.⁴ Data not available

Source of Tables 395 and 396 Interstate Commerce Commission.

No. 397.—EMPLOYEES OF RAILWAYS: NUMBER AND COMPENSATION ¹

Year ended—	All operating carriers				Year ended—	All operating carriers			
	Average number of employees	Total yearly compensation (1,000 dollars)	Average compensation			Average number of employees	Total yearly compensation (1,000 dollars)	Average compensation	
			Per hour ²	Per year				Per hour ²	Per year
June 30.					June 30:				
1890.....	749,301	-----	-----	-----	1908.....	1,436,275	1,035,438	-----	\$721
1895.....	785,034	445,508	-----	\$568	1909.....	1,502,823	988,324	-----	658
1900.....	1,017,653	577,265	-----	567	1910.....	1,699,420	1,143,725	-----	673
1901.....	1,071,169	610,714	-----	570	1911.....	1,669,809	1,208,466	-----	724
1902.....	1,189,315	676,029	-----	568	1912.....	1,716,380	1,252,348	-----	730
1903.....	1,312,537	757,321	-----	577	1913.....	1,815,239	1,373,831	-----	757
1904.....	1,296,121	817,599	-----	631	1914.....	1,710,296	1,381,117	-----	808
1905.....	1,382,196	839,945	-----	608	1916.....	1,654,075	1,403,968	\$0.266	849
1906.....	1,521,355	906,802	-----	592	Dec 31:				
1907.....	1,672,074	1,072,386	-----	641	1916.....	1,700,814	1,506,961	275	886

Year ended Dec. 31—	All operating carriers Average number of employees	Class I carriers					
		Average number of employees	Total hours (thou-sands)	Total yearly compensation (1,000 dollars)	Average hours per employee	Average compensation	
						Per hour ²	Per year
1916.....	1,700,814	1,647,097	5,189,791	1,468,576	3,150.9	\$0.283	\$892
1917.....	1,785,893	1,732,876	5,437,977	1,739,482	3,138.1	.320	1,004
1918 ³	1,891,517	1,841,575	5,701,417	2,813,813	3,095.9	.458	1,419
1919 ⁴	1,960,439	1,913,422	5,032,493	2,843,128	2,630.1	.565	1,486
1920.....	2,075,888	2,022,832	5,446,741	3,681,801	2,692.6	.676	1,820
1921.....	1,705,308	1,659,513	4,147,319	2,705,218	2,499.1	.667	1,666
1922.....	1,669,640	1,626,834	4,311,097	2,640,517	2,650.0	.613	1,823
1923.....	1,902,222	1,857,674	4,928,651	3,004,072	2,653.1	.610	1,817
1924.....	1,795,493	1,751,362	4,534,879	2,825,775	2,589.3	.623	1,813
1925.....	1,786,411	1,744,311	4,531,361	2,860,600	2,597.8	.631	1,840
1926.....	1,821,804	1,779,275	4,671,736	2,946,114	2,625.6	.631	1,856
1927.....	1,775,549	1,735,105	4,519,281	2,910,183	2,604.6	.644	1,877
1928.....	1,691,950	1,650,411	4,313,574	2,826,590	2,604.2	.655	1,706
1929.....	1,694,042	1,660,850	4,346,822	2,896,566	2,617.2	.666	1,744
1930.....	1,517,043	1,487,839	3,759,772	2,550,789	2,527.0	.678	1,714
1931.....	1,282,825	1,258,719	3,039,110	2,094,994	2,414.4	.689	1,664
1932.....	1,052,285	1,031,703	2,378,206	1,512,816	2,305.1	.636	1,466
1933.....	990,262	970,893	2,233,444	1,403,882	2,300.4	.629	1,446

¹ Data exclude switching and terminal companies beginning 1910. Class III roads are excluded in 1913. Exclusion of the latter has practically no effect on the comparability of the figures. Information for 1915 is incomplete, as 20 of the larger railways did not report, and is not shown.

² Calculated for all classes of employees, including those not paid on an hourly basis.

³ Data cover Federal reports, reports of companies not under Federal control, and corporate reports.

⁴ Estimated from data for Class I roads.

Source Interstate Commerce Commission.

No. 398.—EMPLOYEES AND THEIR COMPENSATION: CLASS I CARRIERS

NOTE.—Data relate to years ended Dec 31. Class I switching and terminal companies are included. Average compensation in fifth and sixth columns is per day where so indicated in the stub.

District or class	Average number of employees		Total compensation (1,000 dollars)		Average per hour, straight time (dollars)		Average per month total compensation (dollars)	
	1932	1933	1932	1933	1932	1933	1932	1933
All employees, all districts.....	1,048,568	966,573	1,535,928	1,427,293	—	—	—	—
Daily basis.....	94,066	86,952	232,139	207,512	7.73	7.54	206	199
Hourly basis.....	954,472	899,621	1,303,789	1,219,781	.593	.588	113	113
Eastern district.....	478,035	451,684	696,238	648,541	—	—	—	—
Daily basis.....	45,343	41,892	104,669	92,230	7.30	7.08	192	183
Hourly basis.....	430,692	409,792	591,569	556,311	624	.619	114	113
Southern district.....	193,029	182,325	287,572	254,018	—	—	—	—
Daily basis.....	15,503	14,510	40,708	37,498	8.11	8.00	219	215
Hourly basis.....	177,526	167,815	226,864	216,520	.558	.540	106	108
Western district.....	379,504	352,564	572,118	526,734	—	—	—	—
Daily basis.....	33,250	30,550	86,762	77,784	8.12	7.93	217	212
Hourly basis.....	346,254	322,014	485,356	448,950	.582	.576	117	116

No. 398.—EMPLOYEES AND THEIR COMPENSATION: CLASS I CARRIERS—Con.

District or class	Average number of employees		Total compensation (1,000 dollars)		Average per hour, straight time (dollars)		Average per month, total compensation (dollars)	
	1932	1933	1932	1933	1932	1933	1932	1933
Executives, officials, and staff assistants.....	13, 616	12, 465	71, 269	62, 882	—	—	—	—
Daily basis.....	13, 616	12, 465	71, 269	62, 882	16 05	16 22	436	420
Professional, clerical, and general.....	185, 165	168, 507	286, 948	263, 067	—	—	—	—
Daily basis.....	40, 689	37, 100	87, 961	78, 624	7 08	7 02	180	177
Hourly basis.....	144, 476	129, 407	208, 987	184, 443	.590	.587	121	119
Maintenance of way and structures.....	215, 887	200, 415	195, 954	180, 186	—	—	—	—
Daily basis.....	3, 026	3, 630	10, 400	9, 372	8 37	8 28	221	215
Hourly basis.....	211, 961	196, 785	185, 554	170, 814	.427	.417	73	72
Maintenance of equipment and stores.....	282, 971	265, 925	349, 943	334, 159	—	—	—	—
Daily basis.....	10, 374	9, 431	27, 293	24, 177	8 22	7 99	219	214
Hourly basis.....	272, 597	256, 494	322, 650	309, 982	.582	.578	99	101
Transportation (other than train service, engine, and yard).....	134, 265	125, 493	181, 961	165, 154	—	—	—	—
Daily basis.....	21, 414	20, 617	23, 702	22, 169	3 21	3 16	92	90
Hourly basis.....	112, 851	104, 876	158, 259	142, 985	.550	.542	117	114
Transportation (yardmasters, switch tenders, and hostlers).....	14, 112	12, 623	28, 453	25, 083	—	—	—	—
Daily basis.....	4, 077	3, 709	11, 514	10, 288	8 08	7 95	235	231
Hourly basis.....	10, 035	8, 919	16, 939	14, 795	.629	.620	141	138
Transportation (train and engine service).....	202, 552	203, 140	411, 399	396, 762	—	—	—	—
Hourly basis.....	202, 552	203, 140	411, 399	396, 762	.773	.765	169	163

No. 399.—RECEIVERSHIPS OF RAILWAYS

Year (calendar, except as noted)	Under receivership end of year ¹		Placed under receivership			Year (calendar, except as noted)	Under receivership end of year ¹		Placed under receivership		
	Number	Mileage operated	Number	Miles	Stocks and bonds (1,000 dollars)		Number	Mileage operated	Number	Miles	Stocks and bonds (1,000 dollars)
1881.....	—	—	5	110	3, 742	1908.....	52	9, 529	24	8, 009	596, 359
1882.....	—	—	12	912	39, 074	1909.....	44	10, 530	5	859	78, 095
1883.....	—	—	11	1, 990	108, 470	1910.....	39	5, 257	7	735	51, 428
1884.....	—	—	37	11, 038	714, 755	1911.....	39	4, 593	5	2, 606	210, 607
1885.....	—	—	44	8, 836	385, 460	1912.....	44	9, 786	13	3, 784	182, 112
1886.....	—	—	13	1, 799	70, 346	1913.....	49	16, 286	17	9, 020	477, 781
1887.....	—	—	9	1, 046	90, 318	1914.....	68	18, 608	22	4, 222	199, 571
1888.....	—	—	22	3, 270	186, 814	1915.....	85	30, 223	12	20, 143	1, 070, 809
1889.....	—	—	22	3, 803	99, 664	1916.....	80	34, 804	9	4, 439	208, 160
1890.....	—	—	26	2, 963	105, 007	1917.....	82	17, 376	19	2, 486	61, 170
1891.....	—	—	26	2, 159	84, 479	1918.....	74	19, 208	8	3, 519	242, 091
1892.....	—	—	36	10, 508	357, 692	1919.....	65	16, 590	7	244	11, 887
1893.....	—	—	74	29, 340	1, 781, 046	1920.....	61	16, 290	10	541	21, 620
1894.....	192	40, 819	38	7, 025	395, 791	1921.....	68	13, 512	14	1, 744	63, 872
1895.....	169	37, 856	31	4, 089	369, 075	1922.....	64	15, 259	12	4, 330	329, 115
1896.....	151	30, 475	34	5, 441	275, 597	1923.....	64	12, 623	10	2, 218	87, 914
1897.....	128	18, 862	18	1, 537	92, 909	1924.....	61	8, 105	11	920	30, 223
1898.....	94	12, 745	18	2, 069	138, 701	1925.....	53	18, 687	6	11, 368	680, 422
1899.....	71	9, 853	10	1, 019	52, 285	1926.....	45	17, 632	6	88	2, 821
1900.....	52	4, 178	16	1, 165	78, 234	1927.....	40	16, 752	6	924	45, 237
1901.....	45	2, 497	4	73	1, 627	1928.....	33	5, 256	1	19	529
1902.....	27	1, 475	5	278	5, 835	1929.....	29	5, 703	3	634	30, 981
1903.....	27	1, 185	9	229	18, 822	1930.....	30	9, 486	4	4, 752	277, 324
1904.....	28	1, 323	8	744	36, 069	1931.....	45	12, 970	19	5, 195	432, 152
1905.....	26	1, 796	10	3, 593	176, 321	1932.....	55	22, 545	13	11, 817	626, 577
1906.....	34	3, 971	6	204	55, 042	1933 ²	(³)	(³)	18	21, 222	1, 226, 678
1907.....	29	3, 926	7	317	13, 585						

¹ Data relate to June 30 prior to 1916, Dec. 31 thereafter.² Includes roads under trusteeship.³ Data not available.

Sources Table 398, Interstate Commerce Commission, Table 399, first two columns, Interstate Commerce Commission, others, The Railway Age, Chicago.

No. 400.—CAPITALIZATION OF RAILROADS: ALL REPORTING COMPANIES

NOTE.—All amounts except "per mile of road" in millions of dollars. Switching and terminal companies excluded beginning with 1910, their total capitalization in 1932 was \$781,094,009. Figures include both operating and nonoperating railways. The gross figures include considerable amounts of securities held by the companies issuing them as well as larger amounts held by other railway companies

Year	Total capitalization				Held by railroads		Net capitalization				
	Total	Common stock	Preferred stock	Funded debt	Stock	Funded debt	Total	Per mile of road (dollars)	Stock	Funded debt	Funded debt, per cent of total
June 30, 1890	8,984	3,803	606	4,575	964	443	7,577	-----	3,445	4,132	54.5
1900	11,491	4,522	1,323	5,645	1,470	473	9,548	-----	4,375	5,172	54.2
1910	18,417	6,710	1,403	10,303	2,555	1,486	14,376	62,819	5,559	8,817	61.3
Dec 31, 1916	21,049	7,594	1,455	12,000	2,633	2,084	16,333	66,591	6,416	9,917	60.7
1917	21,249	7,455	1,848	11,947	2,720	2,128	16,402	66,699	6,583	9,819	59.9
1918	20,735	7,249	1,806	11,730	2,323	2,068	16,454	66,893	6,732	9,722	59.1
1919	20,950	7,193	1,898	11,859	2,314	2,086	16,550	67,170	6,777	9,773	59.1
1920	21,891	7,216	1,898	12,778	2,407	2,400	16,994	68,787	6,707	10,287	60.6
1921	22,292	7,275	1,800	13,216	2,402	2,807	17,083	69,516	6,673	10,409	60.9
1922	22,290	7,307	1,834	13,145	2,390	2,621	17,290	70,899	6,751	10,528	60.9
1923	22,839	7,398	1,852	13,589	2,402	2,626	17,810	73,417	6,847	10,963	61.6
1924	23,636	7,539	1,935	14,162	2,668	2,766	18,202	75,322	6,806	11,396	62.6
1925	23,644	7,602	1,937	14,105	2,654	2,800	18,190	74,460	6,885	11,305	62.1
1926	23,677	7,560	1,925	14,192	2,654	2,789	18,234	74,398	6,831	11,403	62.5
1927	23,615	7,683	1,950	13,952	2,907	2,571	18,137	73,984	6,756	11,381	62.7
1928	23,747	7,909	2,034	13,904	2,759	2,477	18,511	75,316	7,084	11,427	61.7
1929	23,933	7,853	2,065	14,065	2,705	2,598	18,630	75,598	7,213	11,467	61.4
1930	24,331	8,009	2,074	14,248	2,897	2,368	19,066	77,343	7,186	11,880	62.3
1931	24,343	8,030	2,049	14,264	2,968	2,434	18,941	76,822	7,111	11,830	62.5
1932	24,837	8,067	2,047	14,723	3,056	2,887	18,894	76,957	7,058	11,836	62.6

No. 401.—RAILWAY STOCK OUTSTANDING, DIVIDENDS, AND INTEREST

NOTE.—Data relate to years ending June 30 prior to 1916 and to calendar years thereafter. Nonoperating as well as operating roads are included. Switching and terminal roads are excluded beginning with 1908. Dividend figures throughout cover all classes of roads, but interest figure for 1913 excludes the unimportant Class III roads. The amount of stock shown in the first column is exclusive of stock held by the issuing company, but includes that held by other railway companies

Year or yearly average	Stock			Dividends			Interest accrued on funded debt (1,000 dollars)
	Actually outstanding (1,000 dolls)	Paying dividends (1,000 dolls)	Per cent paying dividends	Amount declared (1,000 dolls)	Per cent on stock paying dividends	Per cent on all stock outstanding	
1891-1895	-----	1,737,048	-----	94,093	5.42	-----	243,013
1896-1900	-----	1,977,832	-----	104,295	5.27	-----	249,548
1901-1905	-----	3,505,694	-----	199,752	5.70	-----	285,755
1906-1910	-----	4,930,368	-----	339,685	6.89	-----	363,470
1909	7,612,411	4,920,174	64.01	321,072	6.53	4.18	382,675
1910	8,010,730	5,412,578	66.71	405,771	7.50	5.00	399,582
1911	8,363,276	5,730,250	67.65	460,195	8.03	5.42	410,327
1912	8,552,447	5,581,289	64.73	400,315	7.17	4.64	429,027
1913	8,599,993	5,730,982	66.14	369,078	6.37	4.22	434,753
1914	8,654,215	5,667,073	64.39	451,653	7.97	5.13	442,595
1915	8,635,319	5,219,847	60.45	328,478	6.29	3.80	464,186
1916	8,755,404	5,430,123	62.02	366,561	6.75	4.19	481,426
1917	9,003,797	5,610,774	62.32	381,852	6.81	4.24	474,123
1918	8,846,717	5,138,851	58.09	339,186	6.60	3.83	468,266
1919	8,833,125	5,298,321	59.64	335,242	6.33	3.77	476,075
1920	8,843,100	5,075,040	57.30	331,103	6.52	3.74	500,354
1921	8,889,921	5,059,844	56.92	456,482	9.02	5.13	529,398
1922	8,961,637	5,321,347	59.38	338,806	6.37	3.78	535,594
1923	9,022,933	5,646,076	62.09	441,882	7.30	4.53	551,705
1924	9,300,054	6,042,268	64.97	385,130	6.37	4.14	588,301
1925	9,413,101	6,278,532	66.70	409,645	6.52	4.35	583,875
1926	9,365,272	6,473,280	69.12	473,683	7.32	5.06	581,709
1927	9,539,491	6,701,427	70.25	567,281	8.47	5.95	583,452
1928	9,722,079	7,159,989	73.65	510,618	7.12	5.25	578,831
1929	9,847,311	7,506,265	76.23	560,902	7.47	5.70	580,770
1930	10,011,538	7,702,021	76.93	603,150	7.83	6.02	588,742
1931	10,008,413	7,325,664	73.20	401,463	5.48	4.01	592,866
1932	10,042,762	3,298,822	32.85	150,774	4.57	1.50	591,340

Source of Tables 400 and 401 Interstate Commerce Commission.

No. 402.—RAILWAY SECURITIES ACTUALLY OUTSTANDING

NOTE.—All figures in thousands of dollars. Capital actually outstanding represents securities in the hands of the public or of railway companies other than those issuing same; securities held by or for the issuing company are excluded. Switching and terminal companies are not included

Security and year ended Dec 31—	All railroads				Class I	Class II	Class III	Non-operating sub-sidiaries
	All districts	Eastern district	Southern district	Western district				
Total								
1920.....	20,008,046	7,881,150	3,004,582	9,212,314	16,855,230	537,113	107,269	2,598,434
1925.....	21,734,096	8,527,183	3,444,426	9,762,502	18,098,164	437,022	86,157	3,112,753
1930.....	22,782,889	9,128,919	3,658,575	9,995,395	19,006,276	349,079	64,814	3,362,720
1931.....	22,747,228	9,165,961	3,618,847	9,962,420	19,007,175	351,795	61,855	3,326,403
1932.....	22,831,546	9,257,589	3,603,531	9,970,426	19,014,438	354,884	59,315	3,402,909
Stock								
1920.....	8,843,100	3,474,212	1,166,809	4,202,079	7,209,735	286,688	67,247	1,279,430
1925.....	9,413,101	3,771,338	1,324,472	4,317,291	7,633,456	253,208	56,452	1,469,985
1930.....	10,011,538	4,290,108	1,461,628	4,259,802	8,267,129	207,556	45,068	1,491,785
1931.....	10,008,413	4,300,465	1,460,703	4,247,245	8,271,977	212,548	43,930	1,479,958
1932.....	10,042,762	4,331,217	1,464,714	4,246,831	8,245,137	222,529	41,595	1,533,501
Funded debt								
1920.....	11,254,946	4,406,938	1,837,773	5,010,235	9,645,495	250,425	40,022	1,319,004
1925.....	12,320,995	4,755,830	2,119,954	5,445,211	10,464,708	183,814	29,705	1,642,768
1930.....	12,771,351	4,838,811	2,196,947	5,735,593	10,739,147	141,523	19,746	1,870,985
1931.....	12,738,815	4,865,490	2,158,144	5,715,175	10,735,188	139,247	17,925	1,840,545
1932.....	12,788,784	4,926,372	2,138,817	5,723,595	10,769,301	132,355	17,720	1,869,408
1932								
Common stock.....	8,010,129	3,659,758	1,257,962	3,092,409	6,374,039	208,435	40,372	1,387,283
Preferred stock.....	2,032,633	671,459	206,752	1,154,422	1,871,098	14,094	1,223	146,218
Mortgage bonds.....	9,995,791	3,760,168	1,697,656	4,537,967	8,147,323	124,865	14,730	1,708,873
Collateral trust bonds.....	759,898	374,943	167,142	217,733	705,195	1,173	417	53,083
Income bonds.....	349,014	23,778	14,552	307,684	324,021	2,326	1,382	18,285
Miscellaneous obligations.....	424,063	442,875	82,043	399,083	865,273	2,922	1,157	54,651
Equipment obligations.....	763,108	324,608	177,422	261,078	727,489	1,069	34	34,516

No. 403.—PROPERTY INVESTMENT, INCOME, INTEREST, AND DIVIDENDS:
Reported by Operating Roads

NOTE.—All figures, except as indicated, in thousands of dollars. Investment is as reported by the carrier and should not be confused with the tentative valuation fixed by the Interstate Commerce Commission. It relates only to railway property, but includes leased lines, which are not included, however, under the other columns. All data exclude switching and terminal companies

Year ended—	Investment ¹	Investment per mile of road	Net railway operating income	Return on investment	Other income	Interest, rents, and other deductions	Dividends declared
		<i>Dollars</i>		<i>Per cent</i>			
June 30, 1908.....	13,213,767	61,779	634,794	4 80	246,420	485,311	329,062
1910 ²	14,557,816	64,382	805,097	5 53	222,915	511,417	351,202
1915.....	17,441,420	73,208	694,276	3 98	189,300	575,198	264,267
1916.....	17,689,425	73,795	1,002,935	5 67	195,458	594,378	286,618
Dec. 31, 1916.....	17,842,777	74,466	1,058,506	5 93	213,324	623,180	311,876
1917.....	18,574,298	77,163	950,507	5 12	* 233,252	* 574,290	325,601
1918.....	18,984,756	78,820	646,223	3 40	(³)	* 667,588	279,929
1919.....	19,300,121	79,974	454,132	2 35	(⁴)	* 630,559	281,569
1920.....	19,849,320	81,954	12,101	. 06	(⁵)	* 640,516	275,348
1921.....	20,329,224	84,530	601,139	2 96	* 375,001	* 662,375	403,991
1922.....	20,580,168	86,004	769,411	3 74	* 265,033	* 655,647	275,722
1923.....	21,372,858	89,619	974,918	4 56	* 260,655	* 667,616	353,127
1924.....	22,182,267	93,233	984,463	4 44	* 269,188	* 684,559	325,983
1925.....	23,230,916	94,917	1,136,728	4 89	272,102	706,272	349,089
1926.....	23,880,740	97,433	1,229,020	5 15	301,541	718,984	411,208
1927.....	24,453,871	99,546	1,077,843	4 41	314,396	722,485	503,146
1928.....	24,875,984	100,974	1,182,467	4 75	323,310	720,776	436,217
1929.....	25,465,036	103,197	1,262,636	4 96	362,363	728,428	495,245
1930.....	26,051,000	105,661	874,154	3 36	361,196	716,730	511,259
1931.....	26,094,899	105,953	528,204	2 02	307,785	708,622	333,986
1932.....	26,086,991	106,337	325,332	1 25	226,092	701,500	97,245

¹ Prior to 1925 figures include investment of leased lines and exclude investment of proprietary companies which do not render annual reports. Beginning with 1925, the investment in road and equipment of proprietary companies is included as follows: 1925, \$493,923,000; 1926, \$831,574,000; 1927, \$919,095,000; 1928, \$1,013,752,000; 1929, \$1,051,469,000; 1930, \$1,095,631,000; 1931, \$1,114,637,000; 1932, \$1,121,945,000. In this column no allowance is made for cash and material and supplies, and no deduction is made for depreciation.

² Investment originally published is increased by \$170,000,000, estimated reserve for depreciation.

³ Does not include returns for Class II and Class III companies

⁴ Figures not comparable on account of Federal control accounting requirements.

Source of Tables 402 and 403 Interstate Commerce Commission.

No. 404.—FREIGHT TRAFFIC: TRAIN AND CAR MOVEMENT

NOTE.—Figures prior to 1916 relate to years ended June 30, thereafter to calendar years. Switching and terminal roads excluded beginning with 1908. The tonnage "per loaded car" for "All roads" is based on revenue tonnage only, and for "Class I roads" on revenue and nonrevenue tonnage, with exception of the "District" figures for 1916-1920. Tons are of 2,000 pounds.

Class and year or yearly average	Train-miles (thousands)	Car-miles (thousands)		Tons of revenue freight		Freight revenue		Average miles per car per day
		Loaded (revenue and non-revenue)	Empty	Per train	Per loaded car	Per train-mile (dollars)	Per loaded car-mile (cents)	
All roads:								
1891-1895	467,299			184		1.62		
1896-1900	489,723			229		1.76		
1901-1905	519,896	9,631,628	4,320,390	304	17.4	2.35		
1906-1910	603,105	11,754,421	5,234,008	359	19.6	2.72		
1911-1915	608,512	13,369,203	6,169,216	432	20.7	3.19		
1916-1920	617,430	15,444,150	6,904,625	604	25.3	15.30		
1921-1925	577,844	15,243,111	8,096,532	621	24.6	17.28		
1926-1930	586,889	17,357,165	10,330,175	700	24.5	17.07		
1910	635,451	12,851,295	5,498,337	380	19.8	2.86		
1911	626,496	12,859,386	5,832,515	383	19.7	2.90		
1912	612,345	13,088,332	5,767,144	407	20.2	3.02		
1913	643,841	14,271,944	6,120,861	445	21.1	3.24		
1914	607,872	13,686,818	6,531,274	447	21.1	3.31		
1915	552,004	12,939,535	6,594,287	476	21.1	3.47	15.5	
1916	632,304	15,855,103	6,779,225	552	22.8	3.93	10.3	
1917	646,402	15,911,203	6,780,872	588	24.8	4.27	11.7	
1918	628,436	14,995,557	7,167,144	621	27.0	5.33	12.9	
1919	560,499	14,273,422	6,531,570	623	25.4	6.14	12.8	23.0
1920	619,507	15,336,778	7,264,316	639	26.7	10.81	12.8	25.1
1921	519,817	12,449,086	7,309,192	567	24.6	17.38	13.4	22.4
1922	544,486	13,926,355	6,798,121	599	24.3	17.19	12.8	23.5
1923	631,167	16,374,750	8,536,002	632	25.2	17.19	12.6	27.8
1924	590,879	15,859,163	8,519,637	634	24.5	17.22	12.7	26.8
1925	602,873	16,836,710	9,319,706	663	24.6	17.41	12.9	28.5
1926	622,295	17,759,004	10,154,842	689	25.0	17.58	12.7	30.4
1927	598,435	17,390,777	10,298,061	690	24.6	17.59	12.6	30.3
1928	589,616	17,757,670	10,487,254	706	24.3	17.77	12.6	31.2
1929	598,343	18,169,092	10,805,302	718	24.5	17.86	12.6	32.3
1930	523,255	15,709,284	9,905,415	699	24.3	17.56	12.5	28.7
1931	446,261	13,087,643	8,472,144	653	23.4	16.98	12.6	24.5
1932	368,658	10,231,344	6,642,756	585	22.6	16.26	12.36	19.8
Class I roads, total:								
1916-1920	604,422	15,156,421	6,836,894	613	25.4	5.30	21.9	25.8
1921-1925	567,286	14,988,046	8,032,691	633	27.1	7.28	28.3	30.6
1926-1930	576,664	17,262,995	10,267,375	713	26.9	7.67	26.4	28.7
1930	515,131	15,637,774	9,856,061	711	26.6	7.56	25.8	24.5
1931	439,381	13,031,069	8,433,430	664	25.6	6.98	24.6	19.8
1932	362,798	10,188,952	6,614,824	598	24.8	6.26	23.6	21.2
1933	393,359	10,737,306	6,879,175	635	25.6	6.33	23.2	
Eastern district								
1916-1920	244,387	6,512,690	3,059,466	738	28.1	6.05	23.0	22.4
1921-1925	220,500	6,183,778	3,317,411	744	28.8	8.51	30.7	26.4
1926-1930	219,468	6,956,068	4,125,220	818	28.1	8.92	28.6	24.5
1930	190,446	6,226,983	3,898,358	825	27.6	8.91	27.7	21.2
1931	162,734	5,215,130	3,358,944	771	26.4	8.20	26.1	17.1
1932	134,091	4,093,182	2,668,362	711	25.8	7.54	25.3	18.1
1933	139,754	4,267,079	2,740,203	749	26.4	7.61	24.9	
Southern district:								
1916-1920	113,132	2,620,391	1,246,908	581	26.0	4.44	19.9	30.0
1921-1925	118,509	2,857,938	1,614,396	632	29.3	6.15	26.1	36.0
1926-1930	122,815	3,314,113	2,127,953	738	30.5	6.65	24.9	32.6
1930	108,787	2,963,986	2,010,480	739	29.7	6.20	24.3	27.4
1931	94,529	2,519,692	1,727,286	696	29.7	5.85	23.7	24.7
1932	75,523	1,968,647	1,335,337	672	29.8	6.05	23.6	
1933	83,239	2,135,073	1,435,210	708	30.2	6.05	23.6	
Western district								
1916-1920	246,903	6,023,340	2,530,519	510	22.2	5.00	21.7	28.2
1921-1925	228,277	5,946,330	3,100,884	531	24.3	6.70	24.8	31.9
1926-1930	234,381	6,992,814	4,014,202	606	24.0	7.08	24.4	22.2
1930	215,598	6,447,555	3,947,106	602	23.8	6.92	23.3	23.7
1931	182,118	5,296,247	3,349,200	558	22.9	6.34	21.9	22.2
1932	153,184	4,121,423	2,611,125	472	21.6	5.41	21.9	23.7
1933	170,366	4,335,154	2,703,762	506	22.5	5.42	21.9	

¹ Data available for Class I roads only.

² Class I and Class II roads.

Source: Interstate Commerce Commission.

No. 405.—FREIGHT TRAFFIC: TONNAGE AND REVENUE

NOTE.—Figures before 1916 relate to years ended June 30, thereafter to calendar years. Switching and terminal roads excluded beginning with 1908. For certain principal items for individual years, 1890 to 1900, see 1932 Statistical Abstract, Table 410, p. 381. Tons are of 2,000 pounds.

Class and year or yearly average	Tons of revenue freight carried (thousands)		Tons carried 1 mile (millions)		Revenue ton-miles per mile of road	Average haul, revenue freight (miles)		Freight revenue	
	Originated	Total	Revenue freight	Revenue and nonrevenue		Sys-tem	Indi-vidual road	Amount (1,000 dolls.)	Per ton-mile (cents)
All roads:									
1891-1895.....		692, 446	85, 693		506, 809		123 75	758, 930	0 886
1896-1900.....		874, 389	113, 962		611, 128		130 33	879, 837	.772
1901-1905.....	691, 120	1, 266, 313	107, 715		820, 016	242 67	132 44	1, 298, 713	.774
1906-1910.....	930, 254	1, 673, 431	228, 930		1, 006, 949	246 10	136 81	1, 744, 525	.762
1911-1915.....	1, 074, 121	1, 903, 074	277, 073		1, 104, 718	257 05	145 59	2, 051, 625	.740
1916-1920.....	1, 325, 772	2, 378, 164	390, 815		1, 510, 297	294 78	164 33	3, 419, 260	.875
1921-1925.....	1, 231, 193	2, 216, 318	375, 468		1, 455, 688	304 96	169 41	4, 377, 618	1 166
1926-1930.....	1, 364, 607	2, 481, 018	430, 310		1, 657, 292	315 34	173 44	4, 660, 122	1 090
1901.....	583, 692	1, 089, 226	147, 077		760, 414	251 98	135 03	1, 118, 543	.750
1902.....	967, 847	1, 200, 316	157, 289		793, 351	239 10	131 04	1, 207, 229	.757
1903.....	714, 768	1, 304, 394	173, 221		855, 442	242 35	132 80	1, 338, 020	.763
1904.....	714, 375	1, 309, 899	174, 522		829, 476	244 30	133 23	1, 379, 003	.780
1905.....	784, 920	1, 427, 732	186, 463		861, 396	237 56	130 60	1, 450, 773	.766
1906.....	896, 159	1, 631, 374	215, 878		982, 401	240 89	132 33	1, 640, 387	.748
1907.....	977, 489	1, 790, 337	236, 601		1, 052, 119	242 05	131 71	1, 823, 552	.759
1908.....	869, 798	1, 532, 982	218, 382		974, 654	253 94	143 83	1, 655, 419	.754
1909.....	881, 334	1, 556, 500	218, 803		953, 986	251 10	141 87	1, 677, 614	.763
1910.....	1, 026, 492	1, 849, 960	255, 017		1, 071, 086	259 68	138 31	1, 925, 553	.753
1911.....	1, 003, 054	1, 781, 638	253, 784		1, 053, 566	254 10	142 88	1, 925, 951	.757
1912.....	1, 031, 207	1, 844, 978	264, 081		1, 078, 580	256 87	143 44	1, 968, 599	.744
1913.....	1, 182, 548	2, 058, 035	301, 730		1, 190, 397	255 15	144 40	2, 108, 931	.729
1914.....	1, 129, 992	2, 002, 026	288, 637		1, 125, 084	255 43	144 17	2, 126, 717	.737
1915.....	1, 023, 803	1, 828, 692	277, 135		1, 075, 962	270 69	151 55	2, 037, 926	.735
1916.....	1, 317, 246	2, 347, 396	366, 173		1, 409, 957	277 98	155 99	2, 631, 092	.719
1917.....	1, 382, 005	2, 453, 423	398, 263		1, 538, 211	268 18	162 33	2, 897, 436	.728
1918.....	1, 376, 845	2, 477, 092	408, 778		1, 582, 796	296 89	165 02	3, 522, 052	.862
1919.....	1, 189, 765	2, 185, 285	367, 161		1, 423, 390	308 60	168 60	3, 624, 886	.987
1920.....	1, 362, 999	2, 427, 622	413, 699		1, 597, 133	303 52	170 41	4, 420, 833	1 069
1921.....	1, 017, 818	1, 808, 836	309, 532		1, 199, 328	304 11	171 12	4, 004, 109	1 294
1922.....	1, 111, 822	1, 974, 618	342, 188		1, 330, 460	307 77	173 29	4, 085, 742	1 194
1923.....	1, 387, 755	2, 503, 111	416, 256		1, 615, 741	299 94	166 29	4, 712, 405	1 132
1924.....	1, 287, 413	2, 331, 291	391, 045		1, 581, 556	304 44	168 12	4, 437, 380	1 132
1925.....	1, 351, 155	2, 463, 725	417, 418		1, 613, 862	308 93	169 43	4, 648, 364	1 114
1926.....	1, 439, 612	2, 627, 492	447, 444		1, 732, 295	310 81	170 29	4, 905, 981	1 096
1927.....	1, 372, 547	2, 510, 054	432, 014		1, 668, 800	314 75	172 11	4, 728, 885	1 095
1928.....	1, 371, 359	2, 504, 196	436, 087		1, 677, 089	318 00	174 14	4, 771, 562	1 094
1929.....	1, 419, 383	2, 584, 333	450, 189		1, 727, 786	317 17	174 20	4, 899, 168	1 088
1930.....	1, 220, 134	2, 179, 015	385, 815		1, 481, 199	316 21	177 06	4, 145, 015	1 074
1931.....	944, 846	1, 694, 075	311, 073		1, 196, 960	329 23	183 62	3, 302, 324	1 062
1932.....	678, 854	1, 229, 078	235, 309		908, 296	346 63	191 45	2, 485, 475	1 056
Class I roads:									
1921-1925.....	1, 135, 499	2, 068, 262	372, 216	409, 740	1, 581, 865	327 80	179 97	4, 277, 134	1 149
1926-1930.....	1, 279, 197	2, 341, 062	427, 234	468, 347	1, 782, 344	333 99	182 80	4, 600, 341	1 077
1931.....	894, 186	1, 605, 034	309, 225	338, 218	1, 276, 861	345 82	192 66	3, 248, 754	1 031
1932.....	646, 223	1, 168, 280	233, 977	267, 276	968, 772	362 07	200 27	2, 446, 864	1 046
1933.....	698, 943	1, 258, 822	249, 779	275, 083	1, 043, 438	357 37	199 92	2, 491, 336	.997
Eastern district:									
1921-1925.....	510, 141	1, 112, 147	166, 644	178, 569	2, 827, 013	326 66	149 84	1, 906, 544	1 144
1926-1930.....	547, 987	1, 227, 180	182, 768	196, 477	3, 070, 369	333 53	148 93	1, 993, 945	1 091
1931.....	386, 210	815, 595	128, 656	138, 585	2, 153, 994	333 12	157 74	1, 368, 022	1 063
1932.....	286, 549	604, 930	98, 578	106, 668	1, 653, 887	344 02	162 96	1, 046, 141	1 061
1933.....	305, 305	650, 091	104, 700	112, 823	1, 783, 115	342 94	161 80	1, 063, 930	1 016
Southern district									
1921-1925.....	234, 018	353, 728	77, 047	84, 282	1, 756, 460	329 24	217 81	749, 632	.973
1926-1930.....	294, 051	430, 198	93, 552	101, 847	2, 059, 316	318 15	217 46	842, 994	.901
1931.....	211, 007	308, 709	69, 525	75, 706	1, 507, 609	329 49	225 21	619, 351	.891
1932.....	160, 646	231, 583	54, 477	59, 140	1, 181, 906	339 11	235 24	473, 963	.870
1933.....	171, 791	253, 681	58, 934	64, 565	1, 295, 988	343 06	232 72	503, 276	.854
Western district									
1921-1925.....	371, 340	602, 387	128, 525	146, 889	970, 062	328 42	213 36	1, 620, 958	1 261
1926-1930.....	437, 159	683, 684	150, 914	170, 023	1, 119, 969	345 22	220 74	1, 763, 402	1 168
1931.....	296, 969	480, 730	111, 044	123, 927	814, 519	373 92	230 99	1, 261, 880	1 136
1932.....	199, 028	331, 776	80, 922	91, 468	595, 793	406 59	235 91	926, 760	1 145
1933.....	221, 847	355, 051	86, 145	97, 695	637, 217	388 32	246 80	924, 130	1 073

¹ Class I and Class II roads.

² Data included for Class II and Class III roads are partially estimated.

Source: Interstate Commerce Commission

No. 406.—REVENUE AND TRAFFIC BY MONTHS: CLASS I CARRIERS

NOTE.—Except at times of general revisions in freight rates changes in freight revenue are closely parallel to those of ton-mileage. Data, except as indicated, include Class I switching and terminal companies

Year	Average	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct.	Nov.	Dec.
TOTAL OPERATING REVENUES (millions of dollars)													
1912----	249 8	209 2	216 1	235 8	219 2	232 3	242 9	253 0	275.8	274 4	298 2	275 9	264.4
1913----	460 9	247 0	229 9	245 9	242 3	262 1	258 9	266 3	279 6	283 4	296 3	266.6	252 4
1914----	244 0	231 3	207 1	247 5	237 7	249 3	249 3	256 0	267.1	269.6	266 6	233 8	226 3
1915----	256 6	214 1	205 1	231 5	231 0	237.9	249 6	259 2	273 1	287.2	303 7	299 1	288 1
1916----	302 1	260 9	262 8	290 2	282 0	301 0	300 0	303 2	327.2	325.8	338.7	322.7	311 1
1917----	337 4	300 8	265.4	317 1	319 3	345.9	349.7	348 4	365 2	358.8	382.5	357.3	337 1
1918----	410 5	285 4	290.0	366 4	371.6	379.0	395 2	470.4	504 7	498.6	490 8	438 1	443 4
1919----	432 0	397.2	352.4	377 4	389 5	413.9	426 1	455 3	471.7	498.6	509 8	492 1	453 4
1920----	519 0	500 8	424.6	460 2	432 3	457.6	494 7	529.1	555 5	618.9	641 8	592 1	550 6
1921----	464 2	470.4	406 5	459 0	403.4	444 9	461.6	462 9	505 7	498 3	536 7	485.9	425 3
1922----	468 3	395 8	401.6	475 2	417 1	449 4	474 0	443 8	474.1	500.9	550.3	523.6	513.6
1923----	523 9	502 5	446.9	535 8	523.3	548.1	541 3	536 3	564.5	546 1	587 9	532.0	494 6
1924----	499 0	469.0	479.5	505 4	475 2	477.5	465 7	481 8	508.5	541 0	572.9	505 9	505 2
1925----	515 6	485.0	455.2	486 7	473.7	489 0	507 0	522 5	555.5	565 6	591 5	533.0	524 1
1926----	538 8	481 4	460.8	531 5	500 5	518 0	541 4	557 9	580 3	591 2	610 4	562 3	527 7
1927----	517 6	487.6	469 6	531 6	498 9	519 6	517 5	509 7	557 8	565 5	581 0	504 3	467 7
1928----	515 7	458.2	456 8	506 1	475 1	511 5	503 2	513 7	558 8	556 9	618.8	532 1	496 8
1929----	529 9	487.5	476 2	517 6	514.7	538 6	532 6	558 4	587 3	567 4	609.4	499 8	469 4
1930----	445 3	451.5	428 1	453 0	451 2	463 3	445 0	457 1	466 4	467.5	483 5	398 8	378 0
1931----	353 0	366.0	336.7	376 2	369 8	369 0	369 8	377 0	364 4	350 3	363 2	305 4	288 6
1932----	263 5	275 3	267 3	290 0	267 8	254 7	246 2	237 8	252 1	272 5	208 5	253 6	246 1
1933----	261 2	229.2	214 7	220 7	227 6	258 4	281 8	297 6	301 0	295 9	298 1	260 8	248 3

FREIGHT REVENUE (millions of dollars)

1917----	236 1	211 7	185 1	227.3	227 6	251 9	247.3	241 6	250 3	242 2	271.4	254 7	221.7
1918----	296 2	188 8	198 6	259 9	264 5	263.3	263 8	328 4	350 9	342 1	365 4	322 6	309 7
1919----	268 3	278.4	242 3	256 0	265 7	286 7	284 3	306 5	313 8	346 7	368.5	303 5	303 7
1920----	360 6	311.6	299 2	324 6	268 8	314.1	340 3	356 1	369 6	438 9	480 4	436 9	386 6
1921----	327 2	324.9	284 2	320 8	304 8	313.1	322 2	314.8	353 8	354 8	402.0	342 4	288 7
1922----	334 1	277 1	294 6	354 3	288 9	319.6	331 9	299 6	326 5	355.9	406 4	389 9	364 2
1923----	385 5	367.0	326.8	398 8	356 3	405.5	387.3	379 3	402 1	390.9	441.5	395 9	344 1
1924----	362 4	333 4	352.7	371 7	342 9	344.8	323 4	340 1	358 5	399.2	439 0	381 0	362 2
1925----	379 4	350.8	336.9	360 8	347 2	359 4	366 1	377 5	403 4	419 7	450 6	402 5	379 5
1926----	401 7	347.8	340.8	402 0	370 6	385.5	397 8	409 5	429 6	445 0	472 4	433.5	384 9
1927----	387 5	358 1	354.1	406 6	371 6	391 3	382 2	370 1	415 3	426.9	452 9	386 0	334 9
1928----	391 4	338 0	346.3	388 4	356 6	391.7	370 8	382 2	421 8	424 1	493 1	415 9	368 1
1929----	402 6	367.2	363.8	393 9	393 7	412 8	391 1	417 1	446 6	435 5	483.6	384 5	341 2
1930----	340 2	338 2	327 2	345 4	345 8	354 4	331 6	347 3	354 7	363.4	385 7	311 0	280 9
1931----	271 4	277 1	287 5	291 3	283 7	283 1	281 3	290 2	280 0	270 2	289 2	238 5	214 5
1932----	204 4	208 5	205.4	225 0	208 8	194 3	185 9	179 9	195 0	214.6	244.1	203 1	188.2
1933----	207 9	179 3	169 3	175 4	181 1	207 6	223 4	240 3	241 4	235 6	239 7	210 0	191 8

PASSENGER REVENUE (millions of dollars)

1927----	81 4	86 0	74.3	76 7	77.4	78 6	86 0	91.7	91 7	86 3	75.2	70 9	81 9
1928----	75 2	78.6	69.5	70 6	71 1	70.4	81 8	82 8	85.2	80.2	69.7	65 3	76 7
1929----	72 8	75.0	68.4	71 9	67.5	68.9	79 3	79 6	84.3	75.8	65.2	62 5	74 5
1930----	60 8	70.5	61.3	61.8	59 6	60.4	67.2	65 8	67.4	59.1	52.4	48 7	55 4
1931----	45 9	53.3	46 5	47 1	47 3	47.0	51 0	50 3	49.2	44 8	38 2	35 9	40 6
1932----	31 4	38.0	33.9	34 4	31.0	31.8	32 6	32 7	31.4	30.5	26.2	24 9	30 2
1933----	27 4	26.7	23.6	21 9	22 9	23 9	31 0	31 0	32 2	32 0	29 8	25 0	29 3

FREIGHT TON-MILES (millions) ¹

1919----	32,814	30,356	25,630	28,813	28,593	32,276	31,881	34,916	36,416	38,678	40,361	32,497	33,353
1920----	37,445	34,964	32,958	37,865	28,592	37,892	38,246	40,449	42,734	40,998	42,570	37,349	34,720
1921----	34,478	29,754	24,915	26,816	25,591	28,220	28,146	28,402	30,420	30,864	36,072	29,222	35,723
1922----	31,320	27,151	25,451	32,941	24,735	27,940	29,062	27,115	30,472	34,334	39,287	38,077	36,271
1923----	38,133	37,707	32,628	39,222	38,321	39,598	38,001	38,513	40,344	39,461	42,210	38,188	33,427
1924----	35,033	34,510	35,982	36,426	31,925	35,816	31,968	33,185	36,457	39,064	43,134	38,057	35,066
1925----	38,007	37,026	35,370	35,332	35,371	37,126	35,854	37,944	41,709	41,305	44,054	40,775	37,856
1926----	40,725	37,680	35,405	38,689	36,300	39,834	39,252	41,717	43,784	44,346	48,296	43,360	40,116
1927----	39,559	39,233	37,259	41,817	37,110	40,118	38,477	38,969	43,934	42,959	45,537	37,250	34,592
1928----	39,769	36,289	35,723	39,486	35,887	39,263	37,307	39,153	42,425	43,791	48,234	41,991	37,673
1929----	41,026	39,210	38,140	40,228	38,346	41,846	40,740	42,009	44,950	44,222	47,836	38,741	36,046
1930----	35,179	36,718	34,347	35,301	34,900	36,573	34,417	35,595	37,423	36,232	39,294	32,310	29,034
1931----	28,346	30,308	27,097	29,961	28,711	30,016	28,254	30,276	27,842	30,579	25,084	22,662	22,662
1932----	21,587	22,855	21,718	23,581	21,259	19,872	18,673	19,065	20,071	22,709	26,375	21,759	21,107
1933----	22,928	19,987	19,118	19,351	19,831	21,732	23,712	26,460	26,468	26,130	26,412	23,936	22,001

¹ Exclusive of switching and terminal companies.

Source Interstate Commerce Commission.

No. 407.—PASSENGERS CARRIED AND PASSENGER REVENUE

NOTE.—Figures relate to years ended June 30 prior to 1916, to calendar years thereafter. Passenger service revenue per train-mile includes revenue from mail, express, etc., but average revenue per passenger-mile is computed only from revenue from passengers themselves.

Class and year or yearly average	Passengers carried (thou sands)	Passengers carried 1 mile (mil- lions)	Average jour- ney per passen- ger (miles)	Passen- ger train- miles (thou- sands)	Passenger train car-miles (thou- sands)	Passenger revenue (thousand dollars)	Pass-enger service train revenue per train-mile	Reve- nue per passen- ger per mile (cts)	Average passen- gers per train
All roads									
1891-1895	546,762	13,383	24.48	321,031	-----	281,415	\$1.05	2.10	42
1896-1900	520,459	13,863	26.04	345,457	-----	279,900	.99	2.02	39
1901-1905	681,261	20,737	30.44	423,244	-----	416,609	1.11	2.01	45
1906-1910	855,003	28,683	32.41	509,868	-----	566,815	1.26	1.98	53
1911-1915	1,018,804	33,788	33.14	587,501	3,264,399	672,792	1.32	1.99	54
1916-1920	1,152,566	42,548	36.92	560,364	3,416,933	1,021,536	1.23	2.40	72
1921-1925	982,320	36,869	37.53	571,455	3,603,117	1,112,634	1.27	3.02	165
1926-1930	801,503	31,846	39.73	569,310	3,818,089	908,341	1.25	2.85	156
1905	738,835	23,800	32.21	459,827	-----	472,695	1.16	1.96	48
1906	797,946	25,167	31.54	479,038	-----	510,033	1.20	2.00	49
1907	873,905	27,719	31.72	509,328	-----	564,606	1.26	2.01	51
1908	890,010	29,083	32.86	505,946	2,705,660	566,833	1.27	1.94	54
1909	891,472	29,109	32.85	506,011	2,746,511	563,609	1.27	1.93	54
1910	971,683	32,338	33.50	549,015	2,998,171	628,992	1.30	1.94	56
1911	997,410	33,202	33.48	572,929	3,136,774	657,638	1.31	1.97	55
1912	1,004,081	33,132	33.18	585,854	3,235,634	660,373	1.29	1.99	53
1913	1,043,603	34,673	33.31	593,061	3,320,488	695,988	1.36	2.01	55
1914	1,063,249	35,357	33.25	605,212	3,399,604	703,484	1.34	1.99	56
1915	985,676	32,475	32.95	580,448	3,229,496	646,475	1.31	1.99	53
1916	1,048,987	35,220	33.58	595,441	3,409,399	722,359	1.44	2.05	56
1917	1,109,943	40,100	36.13	593,338	3,485,788	840,910	1.69	2.10	65
1918	1,122,963	43,212	38.48	544,327	3,276,489	1,046,166	1.23	2.42	176
1919	1,211,022	46,838	38.68	553,147	3,446,787	1,193,431	1.26	2.55	182
1920	1,269,913	47,370	37.30	574,826	3,618,617	1,304,815	1.28	2.76	180
1921	1,061,131	37,706	35.53	568,242	3,503,514	1,166,252	1.51	3.09	167
1922	989,509	35,811	36.19	553,919	3,445,869	1,087,516	1.50	3.04	165
1923	1,008,538	38,294	37.97	573,938	3,616,342	1,158,925	1.52	3.03	167
1924	950,459	36,368	38.26	579,384	3,676,746	1,085,672	1.41	2.99	163
1925	901,963	36,167	40.10	581,792	3,773,114	1,064,806	1.37	2.94	163
1926	874,589	35,673	40.79	584,972	3,862,610	1,049,210	1.33	2.94	161
1927	840,030	33,798	40.23	578,355	3,850,116	980,528	1.23	2.90	159
1928	798,476	31,718	39.72	570,038	3,815,337	905,271	1.23	2.85	156
1929	786,432	31,165	39.63	568,095	3,870,903	875,929	1.18	2.81	155
1930	707,987	26,876	37.96	545,091	3,691,480	730,766	1.15	2.72	149
1931	599,227	21,933	36.60	485,538	3,274,812	551,726	1.61	2.52	145
1932	480,718	16,997	35.36	419,088	2,743,437	377,511	1.33	2.22	140
Class I roads									
1916-1920	1,114,055	41,989	37.69	556,495	3,406,925	1,005,690	2.13	2.40	72
1921-1925	962,163	36,556	37.99	558,568	3,572,292	1,100,602	2.47	3.01	65
1926-1930	793,365	31,724	39.99	560,633	3,800,669	903,748	1.15	2.85	56
1931	703,598	25,815	38.11	538,709	3,680,136	728,458	1.85	2.72	49
1932	596,391	21,894	36.71	480,367	3,285,923	550,250	1.61	2.51	45
1933	478,800	16,971	35.44	414,383	2,735,614	376,539	1.33	2.22	40
1934	432,950	16,345	37.75	384,938	2,565,986	329,012	1.33	2.01	42
Eastern district:									
1921-1925	642,356	18,636	29.01	230,179	1,507,410	528,429	2.84	2.84	81
1926-1930	571,978	17,392	30.41	234,631	1,642,826	474,330	2.61	2.73	74
1931	520,656	15,372	29.52	226,894	1,619,038	403,757	2.32	2.63	67
1932	448,834	12,912	28.77	206,783	1,470,923	316,875	2.03	2.45	62
1933	362,424	10,171	28.06	179,587	1,299,635	224,842	1.71	2.21	56
1934	317,219	9,500	29.95	166,690	1,143,536	197,216	1.61	2.08	57
Southern district:									
1921-1925	108,845	5,191	47.69	96,314	582,587	174,435	2.22	3.36	53
1926-1930	78,652	4,110	52.26	97,851	625,385	132,664	1.78	3.23	42
1931	63,990	3,061	47.83	92,426	587,308	93,914	1.42	3.07	33
1932	48,702	2,292	47.07	80,984	515,450	66,331	1.20	2.89	28
1933	36,957	1,830	49.52	70,385	437,775	42,841	.97	2.84	25
1934	43,441	2,020	46.50	66,679	428,015	38,851	1.02	2.80	30
Western district									
1921-1925	210,952	12,729	60.34	232,075	1,482,295	397,738	2.21	3.12	54
1926-1930	142,702	7,163	71.63	228,151	1,532,458	296,764	1.83	2.90	44
1931	118,952	5,382	70.47	219,399	1,473,790	230,817	1.55	2.76	38
1932	98,855	6,690	67.67	192,600	1,270,550	167,044	1.32	2.50	34
1933	79,419	4,970	62.58	164,411	1,058,204	108,856	1.06	2.19	29
1934	72,290	4,825	66.74	151,589	994,435	92,945	1.03	2.32	30

¹ Data available for Class I only.

² Class I and Class II roads.

Source Interstate Commerce Commission.

No. 408.—REVENUES, EXPENSES, AND INCOME OF OPERATING COMPANIES

NOTE.—Data relate to years ended June 30 prior to 1916, to calendar years thereafter. The method of calculating net revenue and net operating income is more fully shown in Table 409. Switching and terminal companies are excluded beginning with 1908, operating revenues of switching and terminal companies, 1931, \$71,117,000; 1932, \$51,734,000, operating expenses, 1931, \$56,017,000, 1932, \$40,997,000. For certain principal items for individual years 1890 to 1900, see 1932 Statistical Abstract, Table 411.

Class and year or yearly average	Average miles of line (first track) operated	Income account items (thousands of dollars)					Per mile of line		Per cent operating expenses of revenues
		Operating revenues	Operating expenses	Net revenue from operations	Tax accruals	Net railway operating income	Operating revenues	Net revenue from operations	
All roads:									
1891-1895	169, 378	1, 127, 531	759, 588	367, 942	34, 915	333, 027	\$6, 657	\$2, 172	67. 37
1896-1900	186, 001	1, 264, 048	832, 377	431, 671	41, 970	389, 701	6, 796	2, 321	65. 85
1901-1905	206, 050	1, 854, 682	1, 226, 787	627, 895	53, 106	574, 840	9, 001	3, 048	66. 14
1906-1910	229, 404	2, 508, 174	1, 705, 842	822, 332	80, 931	727, 407	11, 021	3, 586	67. 46
1911-1915	246, 952	3, 007, 262	2, 123, 282	883, 980	128, 845	729, 172	12, 164	3, 878	70. 81
1916-1920	258, 295	4, 870, 463	3, 971, 453	899, 015	227, 680	624, 304	18, 556	3, 481	81. 54
1921-1925	257, 932	6, 003, 699	4, 684, 135	1, 319, 563	328, 822	896, 332	23, 276	5, 116	78. 02
1926-1930	259, 646	6, 139, 269	4, 502, 029	1, 637, 240	386, 732	1, 125, 224	23, 645	6, 306	73. 33
1902	200, 155	1, 726, 380	1, 116, 249	610, 131	50, 054	560, 077	8, 625	3, 048	64. 66
1903	205, 314	1, 900, 847	1, 257, 539	643, 308	53, 252	590, 056	9, 258	3, 133	66. 16
1904	212, 243	1, 975, 174	1, 338, 896	636, 278	56, 802	579, 476	9, 306	2, 998	67. 79
1905	216, 974	2, 082, 482	1, 390, 602	691, 880	58, 712	633, 168	9, 598	3, 189	66. 78
1906	222, 340	2, 325, 765	1, 536, 877	788, 888	60, 064	719, 824	10, 460	3, 548	66. 08
1907	227, 455	2, 589, 106	1, 748, 516	840, 590	73, 743	766, 846	11, 383	3, 690	67. 53
1908	227, 257	2, 440, 639	1, 710, 402	730, 237	78, 674	651, 563	10, 740	3, 213	70. 08
1909	232, 981	2, 473, 205	1, 650, 034	823, 171	85, 140	710, 474	10, 615	3, 533	66. 72
1910	236, 987	2, 812, 142	1, 881, 879	930, 263	98, 035	806, 097	11, 866	3, 925	66. 92
1911	243, 434	2, 852, 855	1, 976, 332	876, 523	102, 657	744, 669	11, 719	3, 601	69. 28
1912	246, 829	2, 906, 416	2, 035, 058	871, 358	113, 819	727, 458	11, 775	3, 530	70. 02
1913	242, 657	3, 193, 118	2, 235, 923	957, 195	122, 005	805, 266	13, 159	3, 945	70. 02
1914	254, 775	3, 127, 730	2, 280, 416	847, 314	140, 470	674, 190	12, 276	3, 226	72. 91
1915	256, 214	2, 967, 193	2, 088, 633	867, 510	137, 775	694, 276	11, 638	3, 386	70. 65
1916	257, 325	3, 091, 065	2, 426, 251	1, 264, 815	161, 825	1, 058, 506	14, 844	4, 915	65. 73
1917	258, 913	4, 115, 413	2, 906, 283	1, 209, 130	218, 632	950, 557	15, 895	4, 670	70. 62
1918	258, 263	4, 985, 290	4, 071, 522	913, 768	229, 533	646, 223	19, 303	3, 638	81. 67
1919	257, 949	5, 250, 420	4, 498, 817	751, 603	239, 136	454, 132	20, 354	2, 914	85. 68
1920	259, 026	6, 310, 151	5, 954, 394	355, 757	289, 272	12, 101	24, 361	1, 373	94. 36
1921	258, 089	5, 632, 665	4, 668, 998	963, 667	283, 163	601, 139	21, 825	3, 734	82. 80
1922	257, 195	5, 674, 493	4, 509, 991	1, 164, 492	308, 145	769, 411	22, 063	4, 628	79. 48
1923	257, 625	6, 419, 210	4, 999, 383	1, 419, 827	339, 577	974, 918	24, 917	5, 111	77. 88
1924	258, 104	6, 045, 252	4, 608, 807	1, 436, 445	347, 437	984, 463	23, 422	5, 665	76. 24
1925	256, 646	6, 246, 883	4, 633, 497	1, 613, 386	365, 790	1, 136, 728	24, 152	6, 238	74. 17
1926	258, 295	6, 508, 679	4, 766, 235	1, 742, 444	396, 538	1, 229, 020	25, 199	6, 746	73. 23
1927	258, 877	6, 245, 716	4, 662, 521	1, 583, 195	383, 112	1, 077, 842	24, 126	6, 116	74. 65
1928	260, 026	6, 212, 464	4, 508, 606	1, 703, 858	395, 631	1, 182, 467	23, 892	6, 553	72. 57
1929	260, 558	6, 373, 004	4, 579, 162	1, 793, 842	402, 698	1, 262, 636	24, 459	6, 885	71. 85
1930	260, 475	5, 356, 484	3, 993, 621	1, 362, 863	353, 881	874, 154	20, 564	5, 232	74. 56
1931	259, 886	4, 246, 385	3, 273, 906	972, 479	308, 492	528, 204	16, 339	3, 742	77. 10
1932	259, 066	3, 168, 537	2, 441, 814	726, 723	279, 263	325, 332	12, 281	2, 805	77. 06
Class I roads:									
1921-1925	232, 974	4, 763, 039	3, 879, 220	883, 819	219, 774	616, 987	20, 445	3, 794	81. 44
1926-1930	235, 302	5, 881, 855	4, 583, 425	1, 298, 431	321, 536	883, 599	24, 997	5, 518	77. 92
1921-1925	239, 703	6, 038, 339	4, 421, 699	1, 616, 640	379, 941	1, 114, 903	25, 191	6, 744	73. 23
1926-1930	242, 176	4, 188, 343	3, 223, 575	964, 768	303, 528	525, 628	17, 295	3, 984	76. 97
1931	241, 519	3, 126, 760	2, 403, 445	723, 315	275, 153	326, 298	12, 946	2, 995	76. 87
1932	240, 744	3, 095, 446	2, 249, 319	846, 127	240, 540	474, 398	12, 858	3, 515	72. 67
Eastern district:									
1921-1925	58, 947	2, 668, 020	2, 125, 217	542, 803	128, 138	364, 374	45, 261	9, 208	79. 66
1926-1930	59, 526	2, 718, 136	2, 026, 514	691, 622	156, 454	473, 330	45, 663	11, 619	74. 56
1931	59, 729	1, 868, 461	1, 466, 842	401, 619	125, 331	205, 992	31, 282	6, 724	78. 51
1932	59, 604	1, 416, 801	1, 076, 556	340, 245	110, 867	159, 696	23, 770	5, 708	76. 98
1933	59, 455	1, 389, 133	1, 006, 546	382, 587	104, 463	213, 763	23, 364	6, 435	72. 46
Southern district:									
1921-1925	43, 865	992, 307	762, 100	230, 207	54, 088	170, 826	22, 622	5, 248	76. 80
1926-1930	45, 429	1, 047, 501	757, 713	289, 788	71, 462	216, 138	23, 058	5, 379	72. 34
1931	46, 116	739, 244	564, 660	174, 584	56, 931	109, 941	16, 030	3, 786	76. 38
1932	46, 092	558, 408	417, 791	140, 617	50, 305	83, 226	12, 115	3, 051	74. 82
1933	45, 720	583, 063	399, 750	183, 313	47, 209	127, 806	12, 753	4, 009	68. 56
Western district:									
1921-1925	132, 490	2, 221, 528	1, 696, 108	525, 421	139, 310	348, 399	16, 767	3, 966	76. 35
1926-1930	134, 748	2, 272, 702	1, 637, 472	635, 230	152, 025	425, 435	16, 866	4, 714	72. 05
1931	136, 331	1, 580, 638	1, 192, 073	388, 565	121, 266	209, 695	11, 594	2, 850	75. 42
1932	135, 823	1, 151, 551	909, 099	242, 452	107, 963	83, 376	8, 478	1, 785	78. 95
1933	135, 569	1, 123, 250	843, 023	280, 227	97, 868	132, 800	8, 285	2, 067	75. 05

¹ Class I and Class II roads.

Source: Interstate Commerce Commission.

No. 409.—INCOME ACCOUNT OF CLASS I CARRIERS: OPERATING ROADS

NOTE.—All figures in thousands of dollars. Switching and terminal companies are excluded

Item	1916- 1920 (average)	1921- 1925 (average)	1926- 1930 (average)	1930	1931	1932	1933 ¹
Revenues	4,763,039	5,681,866	6,033,339	5,281,197	4,188,343	3,126,760	3,095,446
Freight.....	3,336,480	4,277,134	4,600,341	4,075,698	3,248,753	2,446,864	2,492,735
Passenger.....	1,005,690	1,100,603	903,748	728,488	550,250	376,539	329,342
Mail.....	76,508	94,900	111,887	111,450	105,423	97,182	91,871
Express.....	118,933	137,856	139,570	114,664	82,775	53,983	45,640
All other transportation.....	92,041	129,878	136,665	118,945	98,718	77,905	71,803
All other.....	133,387	141,455	146,128	131,952	102,424	74,307	64,055
Expenses	3,879,920	4,583,425	4,421,699	3,930,929	3,223,575	2,403,445	2,249,319
Maintenance, way, etc.....	663,681	781,577	826,826	705,471	530,613	351,179	322,335
Maintenance, equipment.....	1,040,185	1,297,802	1,178,252	1,019,265	816,954	618,941	588,704
Traffic.....	59,749	93,919	123,608	127,834	117,218	96,223	85,821
Transportation.....	1,947,814	2,194,358	2,054,865	1,841,728	1,538,469	1,154,318	1,078,006
All other.....	167,791	215,769	238,148	236,631	220,321	182,784	164,450
Net revenue from railway operations	883,819	1,098,431	1,616,640	1,350,268	964,768	723,315	846,127
Deduct—							
Tax accruals.....	219,774	321,536	379,941	348,554	303,523	275,135	249,540
Uncollectible revenues.....	868	1,895	1,427	1,049	891	1,027	1,203
Equipment rents.....	25,647	67,659	91,786	99,756	99,193	85,102	85,030
Joint facility rents.....	20,543	23,742	28,583	32,030	35,528	35,753	35,980
Net railway operating income	616,987	883,599	1,114,903	868,879	526,628	326,298	474,369

Item	Eastern district			Southern district			Western district		
	1931	1932	1933 ¹	1931	1932	1933 ¹	1931	1932	1933 ¹
Revenues	1,868,461	1,416,801	1,389,133	739,244	558,408	583,063	1,580,638	1,151,551	1,123,250
Freight.....	1,368,022	1,046,141	1,062,290	619,351	473,903	503,273	1,261,380	926,760	927,172
Passenger.....	316,875	224,843	197,409	66,331	42,840	38,851	167,044	108,856	93,082
Mail.....	40,847	38,453	35,930	17,609	16,358	15,787	46,967	42,351	40,154
Express.....	37,083	23,522	19,867	13,070	9,031	8,691	32,622	21,430	17,082
All other trans- portation.....	54,798	44,737	39,578	8,961	6,367	6,458	34,959	26,801	25,767
All other.....	50,836	39,105	34,059	13,922	9,849	10,003	37,666	25,353	19,993
Expenses	1,466,842	1,076,555	1,006,545	564,680	417,791	399,751	1,192,073	909,099	843,023
Maintenance, way, etc.....	222,225	139,710	129,428	103,173	68,939	63,062	205,215	142,530	129,845
Maintenance, equipment.....	375,614	280,875	270,474	149,769	112,776	113,061	291,571	225,290	215,169
Traffic.....	45,625	36,635	32,033	21,705	17,749	16,241	49,888	41,839	37,550
Transportation.....	725,410	539,537	501,470	254,306	188,734	180,572	558,753	426,047	395,964
All other.....	97,968	79,798	73,140	35,707	29,593	26,815	86,646	73,393	64,495
Net revenue from railway operations	401,619	340,246	382,588	174,564	140,617	183,312	388,565	242,452	280,227
Deduct—									
Tax accruals.....	125,331	116,867	104,463	56,931	50,305	47,209	121,266	107,963	97,868
Uncollectible revenues.....	335	438	520	182	181	163	374	408	525
Equipment rents.....	50,613	43,432	44,034	4,185	3,225	4,214	44,395	38,445	36,782
Joint facility rents.....	19,348	19,813	19,808	3,345	3,680	3,920	12,835	12,260	12,252
Net railway operating income	205,992	159,696	213,763	109,941	83,226	127,806	209,695	83,376	132,530

¹ Water line transportation apportioned to the several accounts, included in "All other" in prior years.
Source Interstate Commerce Commission

No. 410.—TAXES AND SPECIAL ASSESSMENTS OF CLASS I CARRIERS, BY STATES

NOTE.—Data for all years exclude switching and terminal companies and include nonoperating subsidiaries. Data for 1916 include also Class II carriers. Total railroad taxes, Federal and State, in 1932, by classes, were as follows: Class I and subsidiaries, \$276,000,952 (including \$504,330 Canadian and \$47 Mexican), Class II and subsidiaries, \$3,578,398, Class III and subsidiaries, \$552,252, switching and terminal companies, \$12,517,630, grand total \$292,709,232.

State	Amount (thousands of dollars)						Per mile of line (dollars)			
	1916	1920	1925	1930	1931	1932	1920	1930	1931	1932
Total	162, 475	282, 751	359, 370	349, 207	303, 504	275, 557	1, 282	1, 519	1, 320	1, 205
United States Gov- ernment taxes.....	12, 531	50, 543	87, 680	40, 986	10, 404	12, 448	226	178	45	54
New England:										
Maine.....	1, 026	1, 725	1, 977	1, 908	1, 821	1, 402	831	963	919	708
New Hampshire.....	746	1, 005	1, 012	1, 125	1, 126	1, 005	827	990	991	910
Vermont.....	491	451	453	407	481	502	608	540	643	672
Massachusetts.....	2, 575	3, 339	3, 920	4, 709	4, 517	4, 114	1, 816	2, 369	2, 282	2, 076
Rhode Island.....	397	585	604	687	715	708	2, 906	3, 933	4, 016	3, 741
Connecticut.....	1, 114	1, 975	2, 058	1, 672	1, 896	1, 024	1, 977	1, 737	1, 443	1, 057
Middle Atlantic:										
New York.....	11, 724	17, 861	22, 613	27, 378	27, 854	27, 616	2, 271	3, 491	3, 550	3, 522
New Jersey.....	7, 656	11, 189	17, 355	20, 442	20, 965	21, 134	5, 292	9, 951	10, 256	10, 321
Pennsylvania.....	9, 957	9, 342	11, 134	12, 440	12, 001	9, 540	945	1, 235	1, 188	941
South Atlantic:										
Delaware.....	153	165	182	166	165	162	493	567	565	554
Dist of Columbia.....	64	79	126	144	155	156	2, 291	4, 178	4, 481	4, 615
Maryland.....	1, 211	2, 004	1, 852	2, 076	1, 948	1, 900	1, 591	1, 829	1, 722	1, 680
Virginia.....	3, 012	4, 695	5, 614	7, 318	6, 838	5, 896	1, 129	1, 759	1, 633	1, 414
West Virginia.....	2, 355	3, 879	6, 046	8, 109	8, 302	7, 920	1, 195	2, 193	2, 280	2, 185
North Carolina.....	1, 706	2, 129	4, 748	5, 392	5, 019	4, 361	552	1, 349	1, 308	1, 166
South Carolina.....	1, 091	1, 951	2, 840	3, 489	3, 078	2, 520	623	1, 306	976	804
Georgia.....	1, 957	2, 481	3, 810	3, 966	3, 694	3, 009	455	730	669	564
Florida.....	1, 572	2, 167	3, 888	4, 964	4, 372	3, 018	542	965	852	596
East North Central:										
Ohio.....	10, 618	16, 841	18, 518	19, 928	18, 619	16, 889	2, 048	2, 334	2, 190	1, 997
Indiana.....	5, 803	9, 422	11, 627	13, 852	12, 470	8, 987	1, 328	2, 011	1, 814	1, 311
Illinois.....	9, 049	16, 422	21, 576	22, 084	21, 178	20, 367	1, 421	1, 827	1, 756	1, 697
Michigan.....	4, 220	7, 579	7, 658	10, 816	9, 727	8, 298	1, 083	1, 469	1, 329	1, 164
Wisconsin.....	4, 968	6, 876	7, 295	7, 201	6, 877	6, 393	995	1, 034	994	927
West North Central:										
Minnesota.....	6, 445	9, 753	7, 965	6, 778	4, 850	3, 425	1, 151	823	589	416
Iowa.....	3, 871	7, 855	6, 842	8, 025	7, 025	5, 973	808	831	728	623
Missouri.....	2, 258	3, 359	3, 716	4, 284	3, 776	3, 739	457	566	491	505
North Dakota.....	2, 289	4, 997	4, 290	4, 110	4, 169	3, 230	969	799	809	628
South Dakota.....	1, 635	3, 718	3, 161	2, 696	2, 554	2, 396	900	644	613	575
Nebraska.....	2, 704	4, 159	4, 747	4, 622	4, 349	4, 086	677	749	705	663
Kansas.....	4, 108	6, 188	6, 670	8, 871	8, 577	7, 253	688	968	937	793
East South Central:										
Kentucky.....	2, 018	2, 184	4, 246	5, 373	5, 049	4, 447	624	1, 411	1, 335	1, 200
Tennessee.....	1, 718	2, 564	3, 107	3, 629	3, 182	2, 463	702	1, 002	879	684
Alabama.....	1, 751	2, 548	2, 687	3, 681	3, 610	3, 044	560	797	782	662
Mississippi.....	1, 916	3, 612	5, 064	5, 047	3, 469	3, 536	942	1, 322	912	944
West South Central:										
Louisiana.....	2, 235	3, 788	4, 578	5, 098	4, 948	4, 494	971	1, 280	1, 244	1, 131
Texas.....	4, 656	5, 098	6, 514	7, 614	7, 697	6, 417	364	494	495	418
Oklahoma.....	3, 653	5, 463	5, 682	6, 408	6, 515	5, 720	864	994	996	875
Arkansas.....	2, 248	3, 912	2, 663	3, 025	3, 087	2, 807	948	690	705	644
Mountain:										
Montana.....	2, 781	4, 284	4, 728	5, 178	5, 146	4, 879	871	1, 016	1, 014	962
Wyoming.....	901	1, 213	1, 659	1, 970	2, 049	1, 981	686	1, 071	1, 114	1, 077
Colorado.....	2, 451	3, 344	3, 719	4, 271	4, 136	3, 495	729	972	943	798
New Mexico.....	1, 179	2, 467	2, 212	2, 785	2, 729	2, 570	915	993	957	906
Arizona.....	1, 341	1, 572	2, 485	3, 100	3, 283	3, 253	776	1, 403	1, 495	1, 494
Utah.....	1, 123	1, 856	2, 161	2, 404	2, 412	2, 391	907	1, 142	1, 164	1, 160
Nevada.....	1, 028	1, 543	1, 762	1, 970	2, 198	2, 182	942	1, 163	1, 280	1, 275
Idaho.....	1, 475	3, 844	2, 872	3, 244	3, 270	3, 140	1, 500	1, 219	1, 229	1, 188
Pacific:										
Washington.....	4, 064	8, 795	6, 647	7, 430	6, 596	6, 336	1, 698	1, 480	1, 309	1, 264
Oregon.....	1, 492	2, 722	2, 736	3, 064	2, 858	2, 436	1, 060	1, 119	1, 044	886
California.....	5, 142	7, 187	12, 863	13, 210	12, 248	10, 355	1, 071	1, 842	1, 685	1, 400

No. 411.—REVENUE FREIGHT CARRIED, BY COMMODITY GROUPS

NOTE.—All figures in thousands of tons of 2,000 pounds. Data relate to years ended June 30 prior to 1916, to calendar years thereafter. Switching and terminal roads excluded beginning with 1908. Figures for 1911 to 1915, inclusive, exclude Class III roads but this affects the comparability very slightly; those after 1916 exclude both Class II and Class III, thereby reducing the grand total about 6 percent. Non-revenue freight is excluded; this is a large item in the case of a few commodities, notably coal

Class of road and year or yearly average	Total	Prod-ucts of agri-culture	Anim-als and prod-ucts	Products of mines		Prod-ucts of forests	Manufactures and miscella-neous	
				Coal and coke	Other		Carload ship-ments	Less than car-load
I. REVENUE FREIGHT ORIGINATED								
All roads:								
1906-1910.....	1 930,255	73,864	20,000	324,282	147,864	98,879	162,225	33,991
1911-1915 ¹	1 1,053,648	99,095	25,731	392,808	192,058	101,143	181,191	41,314
Class I:								
1916.....	1 1,203,367	113,635	30,473	429,751	250,342	93,519	231,038	52,911
1917.....	1,264,016	104,629	31,858	481,632	251,021	100,838	240,269	53,769
1918.....	1,263,344	116,051	35,777	500,709	224,027	97,256	226,077	53,387
1919.....	1,096,111	115,033	35,494	399,072	190,879	94,076	210,256	51,302
1920.....	1,255,421	110,840	26,595	489,344	222,810	100,766	251,864	53,202
1921.....	1,940,183	114,069	24,263	376,220	135,050	76,419	172,169	41,229
1922.....	1,023,745	111,787	26,230	351,846	181,152	89,059	220,442	43,229
1923.....	1,279,030	109,318	28,254	471,854	241,881	115,618	267,767	44,338
1924.....	1,187,296	116,587	27,747	414,499	223,083	108,094	256,737	40,549
1925.....	1,247,242	109,313	26,324	424,403	253,933	107,391	285,291	40,567
1926.....	1,336,142	111,787	26,243	486,944	270,759	104,851	296,067	39,491
1927.....	1,281,611	113,342	26,003	449,891	263,511	99,351	291,073	38,440
1928.....	1,285,943	118,022	25,634	432,266	264,287	96,737	312,013	36,954
1929.....	1,339,091	115,343	24,907	459,397	278,482	94,855	330,064	36,043
1930.....	1,153,197	110,729	23,129	407,937	234,600	69,370	277,765	29,667
1931.....	894,186	97,487	21,632	339,536	162,367	43,025	207,366	22,773
1932.....	646,223	80,917	18,055	281,224	81,002	26,100	143,682	15,234
1933.....	698,943	81,702	17,651	296,478	98,587	33,165	157,009	14,351
Eastern district:								
1931.....	386,210	19,298	5,310	181,337	47,069	5,360	116,343	11,493
1932.....	286,549	17,656	4,392	147,966	27,426	3,225	78,250	7,634
1933.....	305,305	16,518	4,400	158,446	27,319	3,234	88,245	7,143
Southern district								
1931.....	211,007	12,048	1,474	123,357	29,147	13,854	26,449	4,678
1932.....	160,646	9,742	1,215	103,218	16,211	8,893	18,076	3,291
1933.....	171,791	9,926	1,274	110,074	16,296	10,899	20,156	3,166
Western district.								
1931.....	296,969	66,141	114,848	34,842	86,151	23,811	64,574	6,602
1932.....	199,028	53,519	12,448	30,040	37,365	13,991	47,356	4,309
1933.....	221,847	55,258	11,977	27,958	54,972	19,032	48,608	4,042
II. TOTAL REVENUE FREIGHT ²								
All roads:								
1906-1910.....	1 1,673,431	150,384	38,769	559,894	228,563	168,023	314,007	59,277
1911-1915 ¹	1 1,881,635	193,252	44,194	712,193	284,499	183,292	356,669	71,347
Class I:								
1916-1920.....	1 2,212,267	225,505	55,199	826,912	349,763	193,436	466,202	93,550
1921-1925.....	2,068,282	221,961	46,065	757,498	316,014	192,256	465,097	66,371
1926-1930.....	2,341,062	221,019	45,054	852,777	395,987	179,554	584,457	62,214
1927.....	2,363,639	221,384	46,696	871,713	400,591	192,774	564,643	65,843
1928.....	2,361,623	225,550	45,724	838,085	396,400	187,347	605,256	63,261
1929.....	2,451,601	223,264	44,729	878,014	418,797	182,177	642,191	62,430
1930.....	2,063,078	210,971	41,097	749,218	349,424	130,684	530,368	51,316
1931.....	1,605,034	187,792	39,549	613,408	237,934	83,998	401,628	40,725
1932.....	1,168,289	152,784	34,514	504,111	118,226	51,813	278,384	28,457
1933.....	1,258,823	150,763	34,507	529,444	149,978	62,197	304,654	27,280
Eastern district:								
1931.....	815,595	56,690	16,282	395,043	85,611	21,772	218,816	21,381
1932.....	604,930	48,121	14,849	319,196	45,637	13,494	148,802	14,831
1933.....	650,091	44,959	15,112	337,042	59,124	14,480	165,314	14,060
Southern district:								
1931.....	308,709	27,738	3,342	152,513	39,789	22,826	53,808	8,693
1932.....	231,583	21,396	2,850	127,547	22,094	14,525	36,753	6,418
1933.....	253,681	22,920	3,013	138,670	23,186	17,428	42,056	6,408
Western district:								
1931.....	480,730	103,364	19,925	65,852	112,534	39,400	129,004	10,651
1932.....	331,776	83,267	16,815	57,368	50,495	23,794	92,829	7,208
1933.....	355,051	82,884	16,382	63,732	67,668	30,289	97,284	6,812

¹ Includes some undistributed freight. ² Excluding Class III. ³ Including receipts from connecting lines.
Source: Interstate Commerce Commission.

No. 412.—REVENUE FREIGHT CARRIED, BY CLASSES OF COMMODITIES: CLASS I CARRIERS—Continued

Commodity	Revenue freight originated (thousands of tons of 2,000 pounds)										Total revenue freight carried, 1933 (thousands of tons of 2,000 pounds)			
	All districts													
	1933													
	1920	1925	1928	1929	1930	1931	1933	1933	East- ern district	South- ern district	West- ern district	East- ern district	South- ern district	West- ern district
Animals and products—Continued														
Fresh meats.....	2,770	2,904	2,935	3,007	2,928	2,933	2,724	2,951	799	269	1,833	4,057	767	2,172
Other packing-house products.....	2,206	2,139	2,203	2,274	1,970	1,833	1,632	1,585	613	207	765	1,764	818	1,248
Poultry.....	264	357	406	417	419	416	382	402	73	38	290	731	96	402
Eggs.....	536	591	635	588	612	582	424	422	63	28	331	722	68	615
Butter and cheese.....	495	686	754	793	807	768	755	756	125	29	602	1,247	131	790
Wool.....	293	268	394	414	394	388	271	336	166	11	180	554	45	288
Hides and leather.....	1,051	1,026	915	913	847	782	655	734	388	73	273	1,157	162	440
Other animals and products.....	1,540	1,758	1,666	1,717	1,680	1,674	1,137	1,071	561	62	448	1,192	146	694
Products of mines, total.....	712,154	678,336	696,563	737,879	642,537	501,903	392,226	395,065	185,765	126,370	82,890	396,166	161,556	121,400
Anthracite.....	78,100	58,260	60,997	71,931	71,232	65,673	55,681	56,467	56,199	92	176	84,909	102	464
Bituminous coal.....	389,349	346,346	346,057	398,339	322,150	293,901	218,197	220,837	95,692	108,895	26,340	241,886	136,714	51,075
Coke.....	26,895	16,798	16,241	19,127	14,536	9,872	7,346	9,173	6,644	1,087	1,432	10,248	1,794	2,192
Iron ore.....	84,433	72,134	68,684	82,123	50,080	31,073	5,440	26,526	1,106	1,025	24,893	17,277	1,573	24,942
Copper ore and concentrates.....	21,550	12,280	5,916	7,057	4,325	3,093	1,653	1,545	2	3	1,540	40	48	1,734
Other ores and concentrates.....	98,720	145,405	128,304	121,559	112,196	84,658	2,690	2,803	1,044	226	1,533	2,372	543	2,821
Gravel, sand, and stone.....	6,435	11,245	128,304	121,559	112,196	84,658	47,133	36,706	11,509	8,690	16,507	15,073	11,077	20,938
Crude petroleum.....	1,424	2,531	7,633	6,630	6,598	7,448	2,803	4,702	481	69	4,152	603	138	6,237
Asphaltum.....	3,250	3,403	2,899	3,196	2,925	2,746	2,583	2,407	1,617	370	420	2,669	661	911
Salt.....	6,997	6,925	4,801	5,165	5,712	3,930	2,891	3,817	1,246	31	1,451	3,272	974	3,045
Phosphate rock, crude.....								3,764	29	3,764	24	126	42	184
Sulphur.....								1,590	158	43	1,860	332	183	1,964
Other products of mines.....								15,764	10,126	2,075	3,563	17,329	3,805	4,985
Products of forests, total.....	100,766	107,391	96,737	94,855	69,371	43,024	26,109	33,165	3,234	10,899	19,032	14,490	17,428	30,289
Logs, posts, poles, piling, and cord-wood.....	38,571	45,428	39,541	39,611	28,451	14,792	7,781	11,245	368	2,131	8,726	991	2,903	9,940
Ties.....	5,472	4,292	4,240	4,024	3,622	1,527	938	1,174	204	430	540	510	548	711
Pulp wood.....	4,992	5,826	6,893	6,781	6,524	4,707	3,309	4,142	649	1,423	2,070	1,323	1,903	2,667
Lumber, shingles, lath, cooperage materials, veneer, etc.....	48,618	49,019	42,776	40,937	27,800	19,497	12,418	14,491	1,253	5,992	7,336	9,528	11,077	16,377
Other forest products.....	3,112	2,826	3,237	3,502	3,074	2,411	1,643	2,113	760	993	300	2,128	1,157	1,157

Manufactures and miscellaneous, total.....	251,884	285,991	312,013	330,064	277,765	207,366	143,662	157,006	86,245	20,146	48,008	165,314	42,066	97,285
Refined petroleum and its products.....														
Sugar, oil.....	29,616	46,273	58,480	61,240	62,901	55,615	46,707	45,461	17,829	5,225	22,410	104,731	10,731	43,874
Vegetable oil.....	538	1,446	1,551	1,733	1,692	1,428	1,233	1,314	1,297	355	307	3,057	709	1,256
Sugar, syrup, glucose, and molasses.....	5,664	5,700	6,005	6,535	5,699	5,142	4,280	4,779	1,306	618	2,705	2,633	7,011	5,029
Iron, pig.....	16,451	14,577	13,743	8,033	3,139	3,139	2,083	2,083	1,800	586	213	2,848	1,006	1,002
Scrap iron and steel.....	(f)	(f)	11,746	13,827	9,901	6,032	4,424	5,963	4,699	534	740	6,066	1,006	59
Iron and steel (6th class, n. o. s.).....	(f)	(f)	5,130	5,746	3,680	2,081	1,298	2,313	2,266	24	23	2,829	107	107
Rails, fastenings, frogs, and switches.....	3,047	2,046	2,551	2,058	1,778	1,063	419	521	410	56	55	597	143	142
Iron and steel pipes and fittings.....	27,443	20,144	6,945	7,070	6,442	4,101	1,789	1,935	1,356	261	338	2,694	553	1,380
Iron and steel (5th class, n. o. s.).....			33,386	37,427	20,745	16,877	9,386	13,475	12,079	569	827	19,629	1,450	3,516
Iron and steel nails and wire.....	(f)	(f)	1,657	1,573	1,372	1,015	669	1,040	748	86	206	1,418	233	468
Copper, ingot, matte, and pig.....			1,090	1,088	665	352	162	115	99	3	113	355	8	387
Lead and zinc, ingot, pig, or bar.....			1,338	1,124	908	892	723	322	322	11	300	919	88	850
Other metals, pig, bar, sheet, etc.....	5,170	5,419	1,218	1,625	1,244	306	118	181	84	4	93	210	25	157
Machinery and boilers.....	9,391	5,859	3,772	3,631	3,072	1,943	1,072	1,122	809	76	237	1,708	326	658
Centrifugal.....	15,400	24,516	20,980	25,008	23,180	18,302	11,207	9,400	4,156	1,332	4,021	8,580	2,541	6,150
Brick and artificial stone.....	15,251	19,663	19,019	17,216	12,465	7,723	3,574	3,516	2,029	734	743	3,606	1,153	1,339
Lime and plaster.....	4,410	6,830	6,800	4,763	3,432	2,600	1,690	1,681	973	253	456	1,800	610	1,011
Sewer pipe and drain tile.....	2,165	2,426	2,566	2,708	1,946	1,197	624	557	313	100	124	668	179	212
Agricultural implements and vehicles other than automobiles.....	3,324	2,281	1,903	2,136	1,657	766	304	353	115	45	193	240	127	384
Automobiles, auto trucks, parts, tires, etc.....	3,427	6,980	8,752	10,423	6,024	4,286	2,317	3,141	2,580	156	408	5,025	516	1,705
Furniture.....	743	970	1,063	1,102	733	564	353	393	126	138	129	541	330	306
Beverages.....	1,240	841	613	889	654	351	1,170	315	67	788	817	610	237	1,241
Ice.....	5,795	4,923	3,922	3,710	2,578	2,292	1,464	1,044	437	69	518	510	104	536
Fertilizers.....	3,144	3,463	12,559	13,276	12,302	8,524	5,187	5,187	1,617	629	941	2,894	4,424	2,031
Printing paper.....	3,204	3,323	3,303	3,460	3,399	2,983	2,937	2,880	1,694	161	525	5,912	152	1,656
Chemicals and explosives.....	8,848	9,573	2,670	3,213	2,672	1,152	1,570	1,958	1,086	472	460	1,548	859	943
Textiles.....	805	966	937	710	613	407	363	124	362	103	502	731	284	284
Canned food products.....	3,074	4,144	4,865	5,029	4,731	3,954	3,167	3,303	1,417	223	1,658	3,980	649	3,258
Furnace slag.....			8,784	9,835	11,000	4,401	2,105	2,016	1,512	469	35	1,696	778	45
Paper board, pulpboard, and wall board (paper).....	77,814	78,807	2,317	2,511	2,241	2,037	1,681	1,874	1,008	489	377	2,390	895	778
Building paper and prepared roofing materials.....			2,035	2,225	1,687	1,234	1,102	1,119	712	107	300	1,390	387	585
Other manufactures and miscellaneous.....			63,062	66,338	54,885	43,022	31,656	35,535	23,897	3,883	7,755	48,746	9,064	15,705
Merchandise—all i. c. l. freight.....	53,202	40,597	36,964	36,045	23,667	22,774	15,234	14,351	7,143	3,166	4,042	14,060	6,408	6,812

⁴ Includes bloom prior to 1928.

⁸ Includes castings prior to 1928.

^a Includes castings prior to 1928
ing 1928 not comparable with prior years

study could not compensate with prior years

No. 413.—CAR LOADINGS: AVERAGE WEEKLY LOADINGS OF REVENUE FREIGHT, CLASS I RAILWAYS, BY PRINCIPAL COMMODITY GROUPS

NOTE.—Averages for earlier years for all commodities are 1918, 857,540, 1919, 804,472, 1920, 867,663, 1921, 756,215, 1922, 830,915, 1923, 957,925; 1924, 933,354, 1925, 985,080, 1926, 1,021,131; 1927, 922,996; 1928, 992,113

Month	1929	1930	1931	1932	1933	1929	1930	1931	1932	1933
	Total, all commodities					Grain and grain products				
Year.....	1, 015, 922	882, 269	714, 447	541, 922	556, 941	46, 081	43, 565	38, 931	31, 796	31, 815
January.....	892, 864	849, 310	718, 303	566, 693	477, 624	45, 524	40, 282	40, 682	31, 010	26, 617
February.....	941, 534	876, 725	708, 530	560, 805	489, 495	47, 165	43, 889	41, 162	34, 250	25, 315
March.....	963, 187	878, 933	734, 232	570, 209	460, 300	42, 642	38, 982	38, 333	28, 891	25, 963
April.....	967, 286	904, 740	751, 573	554, 827	500, 949	35, 978	39, 126	37, 519	30, 827	35, 460
May.....	1, 036, 480	918, 690	739, 696	522, 022	531, 960	37, 973	37, 646	35, 834	29, 220	30, 986
June.....	1, 072, 970	929, 746	747, 988	491, 622	566, 345	44, 610	41, 519	35, 007	25, 334	30, 652
July.....	1, 040, 020	888, 902	738, 472	484, 197	621, 763	61, 710	58, 326	54, 647	36, 963	44, 944
August.....	1, 120, 141	934, 366	747, 627	516, 200	625, 678	63, 222	60, 788	44, 348	38, 543	29, 600
September.....	1, 135, 572	931, 422	727, 068	573, 474	640, 910	40, 866	47, 293	37, 247	37, 561	31, 160
October.....	1, 169, 853	950, 270	762, 632	633, 512	651, 410	46, 437	41, 597	38, 515	33, 527	29, 768
November.....	978, 031	797, 836	654, 827	547, 482	591, 524	38, 415	36, 487	36, 202	27, 809	30, 879
December.....	834, 584	695, 396	554, 957	496, 656	513, 090	39, 444	35, 587	27, 145	26, 458	25, 892
	Livestock					Coal				
Year.....	27, 292	24, 714	22, 347	18, 256	17, 041	174, 909	152, 443	124, 869	102, 672	107, 999
January.....	29, 486	27, 229	25, 613	22, 070	17, 218	202, 422	196, 455	157, 880	115, 176	107, 125
February.....	26, 420	25, 183	22, 011	19, 034	15, 420	211, 006	166, 026	137, 136	114, 953	123, 073
March.....	24, 221	23, 056	19, 827	16, 632	13, 037	156, 504	137, 296	130, 954	121, 254	91, 377
April.....	26, 720	24, 102	21, 779	18, 699	16, 466	146, 057	132, 818	116, 075	92, 291	79, 464
May.....	25, 672	23, 444	20, 407	17, 146	16, 587	154, 706	138, 261	113, 882	74, 626	79, 568
June.....	23, 577	21, 598	18, 621	14, 912	15, 479	155, 056	135, 256	110, 620	66, 698	90, 549
July.....	23, 005	20, 074	18, 098	14, 381	15, 021	146, 522	130, 606	110, 807	72, 259	112, 105
August.....	24, 271	21, 108	21, 731	16, 871	16, 616	168, 475	145, 740	118, 660	84, 616	123, 468
September.....	30, 921	26, 959	24, 091	20, 750	20, 253	187, 934	151, 277	124, 251	108, 834	125, 026
October.....	37, 284	32, 277	29, 014	23, 699	23, 205	203, 957	174, 528	145, 437	136, 577	124, 970
November.....	31, 383	26, 800	25, 902	19, 012	20, 462	185, 597	158, 748	121, 376	122, 823	125, 546
December.....	25, 448	23, 389	20, 958	16, 608	15, 068	189, 261	151, 001	115, 413	125, 027	114, 052
	Coke					Ore				
Year.....	12, 201	9, 382	6, 245	4, 303	5, 684	43, 876	31, 955	16, 821	4, 046	13, 467
January.....	12, 071	11, 346	8, 998	5, 656	5, 159	8, 910	8, 268	5, 206	2, 949	1, 838
February.....	13, 392	11, 399	8, 744	6, 234	6, 226	9, 244	8, 641	5, 567	2, 699	1, 841
March.....	12, 834	9, 982	7, 889	6, 090	4, 498	11, 423	9, 103	5, 830	2, 647	1, 971
April.....	12, 066	10, 020	7, 007	3, 830	3, 396	27, 670	12, 701	7, 993	3, 424	3, 214
May.....	12, 508	9, 674	6, 486	3, 136	3, 811	71, 454	50, 951	17, 320	2, 583	7, 697
June.....	12, 306	9, 463	5, 488	2, 887	4, 894	76, 481	62, 528	29, 789	3, 547	11, 072
July.....	11, 874	8, 438	4, 813	2, 573	6, 596	76, 359	61, 250	34, 859	6, 030	22, 054
August.....	11, 971	8, 312	4, 555	2, 712	6, 650	75, 762	56, 956	35, 000	7, 111	34, 243
September.....	11, 904	8, 203	4, 783	3, 669	6, 953	68, 650	48, 780	30, 270	6, 065	38, 780
October.....	12, 172	8, 676	5, 562	4, 890	6, 665	60, 041	37, 824	20, 372	6, 521	27, 770
November.....	11, 610	8, 047	5, 318	4, 751	6, 418	29, 216	14, 295	6, 273	2, 951	7, 436
December.....	11, 668	8, 549	5, 758	5, 597	6, 707	8, 219	5, 620	3, 505	1, 748	2, 916
	Forest products					Miscellaneous and L. C. L				
Year.....	62, 469	45, 564	28, 296	17, 292	20, 877	649, 094	574, 646	476, 938	363, 558	360, 058
January.....	54, 240	46, 173	33, 115	18, 358	13, 696	540, 211	519, 557	447, 308	371, 474	305, 971
February.....	60, 224	57, 704	34, 586	19, 266	13, 674	574, 084	559, 322	459, 322	364, 370	303, 946
March.....	67, 013	58, 076	34, 390	20, 018	14, 639	648, 551	602, 438	497, 010	374, 778	308, 816
April.....	69, 596	57, 436	32, 836	19, 707	17, 234	679, 199	628, 528	528, 363	386, 048	345, 716
May.....	68, 636	52, 941	32, 912	18, 695	20, 797	665, 531	605, 772	512, 854	376, 617	366, 514
June.....	70, 306	49, 657	31, 203	16, 810	25, 097	690, 634	609, 725	517, 260	361, 434	382, 602
July.....	61, 312	39, 956	26, 641	14, 555	26, 781	659, 234	570, 154	489, 107	337, 436	394, 261
August.....	68, 761	41, 421	27, 588	15, 490	27, 168	707, 679	600, 041	495, 746	350, 856	387, 933
September.....	62, 963	40, 391	26, 053	17, 552	24, 693	723, 335	608, 519	480, 373	379, 044	396, 046
October.....	63, 622	39, 367	24, 482	18, 849	24, 427	746, 340	616, 007	499, 251	409, 450	414, 606
November.....	55, 075	33, 970	21, 822	16, 051	23, 375	626, 736	519, 428	437, 936	354, 087	377, 408
December.....	45, 485	30, 263	16, 986	13, 196	18, 113	514, 558	440, 988	365, 190	308, 023	330, 342

Source: American Railway Association.

No. 414.—STEAM RAILWAY ACCIDENTS, BY CAUSES

NOTE.—See headnote to Table 415

Cause of accident	Killed					Injured				
	1921-1925, average	1926-1930, average	1931	1932	1933	1921-1925, average	1926-1930, average	1931	1932	1933
All accidents.....	6,618	6,480	5,099	4,747	5,019	141,688	89,404	35,656	29,219	27,494
Train accidents.....	394	308	229	183	218	4,409	2,985	1,208	997	1,365
Passengers.....	72	30	4	1	23	2,423	1,455	493	410	657
Employees.....	237	164	95	63	66	1,597	1,132	434	335	362
Other persons.....	85	114	130	119	129	389	398	281	262	346
Causes:										
Collisions.....	139	89	39	34	33	2,071	1,391	485	358	635
Passengers.....	37	11	1	1	14	1,172	710	244	192	415
Employees.....	89	70	33	30	16	764	526	188	125	137
Other persons.....	14	8	5	3	3	135	155	53	41	83
Deraillments.....	197	139	108	77	127	2,109	1,379	583	526	610
Passengers.....	34	18	3	---	9	1,212	718	232	203	236
Employees.....	111	66	43	26	45	690	487	190	171	190
Other persons.....	52	55	62	51	73	208	173	161	152	184
Other causes.....	58	81	82	72	58	228	215	140	113	120
Passengers.....	2	1	---	---	---	39	27	17	15	6
Employees.....	36	28	19	7	5	143	119	56	39	35
Other persons.....	20	52	63	65	53	46	69	67	59	79
Train-service accidents.....	5,794	5,796	4,624	4,341	4,598	44,420	35,395	18,849	16,160	15,107
Passengers on trains.....	100	63	36	22	{ 15 10 }	3,155	2,208	1,609	1,501	{ 1,315 84 }
Travelers not on trains.....										
Employees.....	1,088	940	419	383	354	31,563	23,275	9,142	6,948	6,104
Other persons.....	4,605	4,793	4,169	3,936	4,219	9,701	9,912	8,098	7,711	7,604
Causes:										
Coupling or uncoupling locomotives or cars.....	80	48	12	20	12	1,624	1,124	394	307	246
Coupling or uncoupling air hose.....	22	19	13	9	11	435	353	175	123	131
Operating locomotives.....	20	16	7	6	5	6,269	3,731	1,406	1,042	834
Operating hand brakes.....	30	30	18	12	15	2,090	1,875	824	593	514
Operating switches.....	2	1	---	2	---	965	747	245	210	176
Contact with fixed structures.....	69	57	60	71	64	836	534	335	284	284
Getting on or off cars or locomotives.....	484	419	447	520	516	9,125	7,084	4,096	3,946	3,785
Highway grade-crossing accidents.....	1,997	2,315	1,720	1,445	1,446	5,826	6,400	4,533	3,911	3,607
Struck or run over, not at public crossings.....	2,415	2,267	1,730	1,590	1,792	2,079	1,721	1,022	911	958
Miscellaneous.....	1,157	625	617	666	737	15,595	11,824	5,819	4,833	4,572
Nontrain accidents.....	430	378	246	223	203	82,860	51,024	15,599	21,062	11,022
Passengers on trains.....	14	2	1	5	{ --- 2 }	2,634	595	587	455	{ --- 466 }
Travelers not on trains.....										
Employees.....	329	288	162	133	112	90,630	48,990	13,782	10,459	9,466
Other persons.....	97	85	83	85	89	1,724	1,440	1,230	1,148	1,090

¹ Excludes persons killed and injured at highway grade crossings in connection with derailments and miscellaneous train accidents

² Average for 1922 to 1924. Separate data not available for 1921.

Source: Interstate Commerce Commission.

No. 415.—PERSONS KILLED AND INJURED IN RAILWAY ACCIDENTS

NOTE.—For various reasons, including the fact that returns were required under different acts, the statistics are not strictly comparable. Prior to 1921, train accidents were those causing damage to railway property in excess of \$150 or any damage and a resulting casualty. Thereafter they were considered as such when the damage exceeded \$150 with or without a casualty. Where the damage is less than \$150 and there is a reportable casualty it is classified as a train-service accident. Figures for years 1911-1915 include industrial and other nontrain accidents to employees only, and for years 1908-1910 do not cover switching and terminal roads. Otherwise the statement covers all reportable accidents.

Yearly average or year ended—	Total		Passengers ¹		Employees		Other persons		Trespassers ²	
	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured
June 30.										
1891-1895.....	6,821	35,313	292	2,967	2,315	27,051	4,214	5,294	-----	-----
1896-1900.....	6,946	42,248	222	3,237	2,054	32,793	4,670	6,219	-----	-----
1901-1905.....	9,326	72,843	392	7,894	3,249	57,209	5,686	7,840	-----	-----
1906-1910.....	10,210	105,617	355	11,625	3,572	83,502	6,252	10,491	-----	-----
1909.....	8,722	95,626	253	10,311	2,610	75,006	5,859	10,309	-----	-----
1910.....	9,682	119,507	324	12,451	3,382	95,671	5,976	11,385	-----	-----
1911.....	10,396	150,159	299	12,042	3,602	126,039	6,495	12,078	-----	-----
1912.....	10,585	169,538	283	14,938	3,635	142,442	6,667	12,158	-----	-----
1913.....	10,964	200,308	350	15,130	3,715	171,417	6,899	13,761	-----	-----
1914.....	10,302	192,662	232	13,887	3,259	165,212	6,811	13,563	-----	-----
1915.....	8,621	162,040	199	10,914	2,152	138,092	6,270	13,034	-----	-----
Dec 31.										
1916.....	10,001	196,722	246	7,152	2,941	176,923	6,814	12,647	-----	-----
1917.....	10,087	194,805	301	7,582	3,199	174,247	6,587	12,976	-----	-----
1918.....	9,286	174,675	471	7,316	3,419	156,013	5,896	11,246	-----	-----
1919.....	6,978	149,553	273	7,456	2,138	131,018	4,567	10,579	-----	-----
1920.....	6,958	108,909	229	7,591	2,578	149,414	4,151	11,304	-----	-----
1921.....	5,996	120,685	205	5,584	1,446	104,530	4,345	10,571	-----	-----
1922.....	6,325	134,871	203	6,712	1,657	117,197	1,967	7,834	2,498	3,128
1923.....	7,385	171,712	143	6,463	2,026	152,678	2,897	9,279	2,819	3,292
1924.....	6,617	143,739	153	6,023	1,643	125,319	2,800	9,268	2,621	3,129
1925.....	6,766	137,435	175	5,643	1,599	119,224	2,347	9,640	2,644	2,928
1926.....	7,090	130,235	156	5,149	1,672	111,903	2,640	10,387	2,623	2,796
1927.....	6,821	104,799	82	4,560	1,566	88,223	2,519	9,020	2,654	2,996
1928.....	6,509	85,561	85	4,027	1,327	70,246	2,718	8,652	2,379	2,636
1929.....	6,496	76,985	100	4,371	1,424	60,739	2,665	9,308	2,307	2,577
1930.....	5,481	49,430	50	3,180	974	35,872	2,153	7,430	2,304	2,948
1931.....	5,099	35,656	41	2,689	676	23,358	1,981	6,288	2,401	3,321
1932.....	4,747	29,219	28	2,366	579	17,742	1,635	5,330	2,505	3,781
1933.....	5,019	27,494	50	2,522	532	15,932	1,611	5,043	2,826	3,997

¹ Data cover passengers on trains and travelers not on trains.

² Trespassers included with "other persons" prior to 1922.

No. 416.—CONSUMPTION OF FUEL AND REPLACEMENTS OF RAILS AND TIES: CLASS I CARRIERS

NOTE.—Rails and ties laid in new construction are not included. A short ton is 2,000 pounds; a long ton, 2,240 pounds.

	All districts			1932		
	1930	1931	1932	Eastern district	Southern district	Western district
Consumption of fuel by locomotives:						
Anthracite.....1,000 short tons..	1,140	543	327	327	-----	-----
Bituminous coal.....do.....	98,400	81,725	66,498	32,415	14,707	19,376
Fuel oil ¹.....1,000 gallons..	2,366,569	2,015,694	1,759,124	7,094	23,952	1,728,078
Hardwood ¹.....cords.....	12,642	5,072	3,028	1,656	1,343	29
Softwood ¹.....do.....	44,134	34,802	23,475	10,283	1,169	12,023
Total, coal equivalent ²						
1,000 short tons..	114,458	94,924	77,859	32,793	14,852	30,214
Rails laid in replacement and betterment						
Total tonnage.....1,000 long tons..	2,674	1,715	797	349	193	255
Total charges ³.....1,000 dollars..	98,521	63,726	28,265	11,902	7,191	9,172
Ties laid in previously constructed tracks						
Crossties.....thousands..	63,354	51,501	39,190	8,291	10,517	20,382
Switch and bridge ties.....1,000 board feet..	235,315	188,595	140,568	40,505	42,971	57,090
Total charges ³.....1,000 dollars..	94,207	73,415	50,940	15,336	11,800	23,754

¹ The ratio of fuel oil to coal is based upon the experience of the various roads, 1 cord of hardwood equals two-thirds ton of coal; 1 cord of softwood equals one-half ton of coal.

² Totals include equivalent of a small amount of miscellaneous fuel.

³ The total charges shown do not include the labor cost of applying the rails or ties.

Source of Tables 415 and 416: Interstate Commerce Commission.

No. 417.—EXPRESS COMPANIES: INCOME ACCOUNT

NOTE.—In thousands of dollars. Mileage operated by express companies, 1933 Total, 266,863, steam road, 221,027, electric line, 2,443, steamboat line, 22,757; airplane, 13,658, stage line, 6,978. The Railway Express Agency, Inc., operates 211,319 miles, and the Southeastern Express Co., 9,708 miles

Calendar year	Receipts for transportation	Paid for express privileges	Total operating revenues ¹	Operating expenses	Net operating revenues	Express taxes	Operating income ²	Other income	Net income ³
American Railway Express Co									
1921	294,664	113,491	184,897	182,265	2,631	2,095	508	2,074	2,309
1924	287,281	139,997	150,640	147,417	3,193	2,102	1,045	1,458	2,282
1925	290,303	143,832	149,715	146,433	3,282	2,059	1,195	1,088	2,184
1926	294,519	147,812	150,007	146,825	3,272	2,143	1,116	1,237	2,318
1927	284,513	139,494	148,730	145,467	3,263	2,197	1,050	1,204	2,207
1928	281,545	141,288	143,877	140,675	3,202	2,038	1,146	1,216	2,321
1929	41,104	18,554	23,083	22,560	523	327	193	193	381
Railway Express Agency, Inc.:									
1929	242,216	127,591	117,628	115,535	2,093	1,343	734	687	20
1930	237,488	112,366	128,470	125,821	2,649	1,375	1,259	509	36
1931	192,044	81,221	113,997	111,181	2,816	1,343	1,457	302	4
1932	137,703	53,085	87,436	84,513	2,923	1,380	1,513	234	5
1933	118,673	44,468	76,503	73,416	3,087	1,524	1,535	186	6
Southeastern Express Co.:									
1921	4,374	1,649	2,781	2,719	61	25	37	10	47
1924	7,910	3,755	4,266	4,103	163	109	51	19	70
1925	8,041	3,912	4,241	4,086	155	86	67	20	87
1926	8,257	4,021	4,357	4,196	161	83	76	24	100
1927	8,176	3,971	4,342	4,188	154	88	62	28	90
1928	7,870	3,738	4,268	4,126	142	100	40	30	70
1929	8,007	3,900	4,244	4,098	146	110	35	38	73
1930	6,764	2,940	3,936	3,803	133	97	35	35	70
1931	5,603	2,117	3,585	3,443	142	89	51	17	68
1932	4,174	1,420	2,848	2,726	122	78	43	21	64
1933	4,326	1,537	2,905	2,769	136	94	38	15	53

¹ Includes revenues from sources other than transportation.

² Deducting, besides taxes, a small amount of uncollectible revenue.

³ Sum of 2 preceding columns less small deductions.

⁴ Result of operations for 2 months ended Feb. 28, 1929.

⁵ Result of operations for 10 months ended Dec. 31, 1929.

⁶ Deficit.

⁷ Result of operations for 8 months ended Dec. 31, 1921.

No. 418.—THE PULLMAN CO.: ABSTRACT OF OPERATIONS

[All money figures in thousands of dollars]

Year ended—	Gross revenues, car operations	Association revenues, debtor	Contract revenues, debtor ¹	Expenses, car operations		Net revenues, car operation	Operating income	Revenue passengers carried	
				Total	Conducting car operations			Thousands	Number per car-day
June 30:									
1910	35,334	66	893	23,962	(*)	11,372	13,151	20,203	14
1915	38,723	467	1,954	20,633	11,716	12,090	10,816	24,252	12
Dec 31:									
1917	51,777	102	4,498	35,449	16,047	16,328	12,469	32,261	14
1918	49,967		3,918	40,593	20,202	9,374	7,763	28,751	13
1919	69,071		31	48,618	26,392	20,453	19,194	37,346	15
1920	72,124		13,155	61,081	30,805	11,093	9,304	39,255	16
1921	64,439		7,079	64,744	28,136	805	3,277	31,225	13
1922	65,582		8,379	53,029	26,022	12,553	8,540	31,748	13
1923	72,576		8,555	55,885	27,365	16,691	12,269	34,249	13
1924	72,758		9,075	61,609	30,023	11,149	7,755	34,086	12
1925	80,198		8,873	63,513	32,247	16,685	12,546	35,526	12
1926	81,834		9,463	68,204	35,009	13,630	9,565	36,073	11
1927	80,952		8,906	66,503	34,848	14,449	10,360	35,197	11
1928	80,846		8,604	66,656	34,935	14,190	10,938	33,924	11
1929	82,384		8,704	69,490	36,191	12,894	9,185	33,434	10
1930	76,234		5,534	68,990	35,379	7,274	4,937	29,360	9
1931	62,558		2,573	57,243	27,386	5,315	3,009	22,985	9
1932	43,866		1,550	42,465	19,276	901	1,280	15,750	9
1933	38,436		1,325	37,588	16,358	548	564	13,717	8

¹ Amounts due other carriers under the provisions of definite contracts. ² Not separated. ³ Deficit.

Source of Tables 417 and 418: Interstate Commerce Commission.

No. 419.—THE ALASKA RAILROAD TRAFFIC: ANALYSIS OF STATISTICS OF PASSENGER AND FREIGHT SERVICES, YEARS ENDED JUNE 30

	1932	1933		1932	1933
Road mileage operated— monthly average.....	519.9	519.9	FREIGHT TRAFFIC		
PASSENGER TRAFFIC			Freight train-miles.....	59,654	60,334
Passenger train-miles ¹	65,870	63,864	Mixed train-miles.....	8,172	7,918
Mixed train-miles.....	8,172	7,918	Loaded cars, 1 mile, freight and mixed trains.....	1,088,378	1,019,786
Passenger car-miles, passen- ger trains ¹	170,220	165,133	Empty cars, 1 mile, freight and mixed trains.....	685,757	701,915
Passenger car-miles, mixed trains.....	8,062	7,918	All cars, 1 mile.....	1,774,135	1,721,701
Total revenue passengers car- ried.....	22,568	13,117	Tons of revenue freight car- ried.....		
Revenue passengers carried 1 mile.....	2,005,169	1,683,818	Coal.....	60,783	72,007
Total passenger revenue.....	\$191,873	\$121,120	Miscellaneous.....	26,270	25,472
Average revenue per passen- ger per mile.....	\$0.09569	\$0.07193	Tons of revenue freight car- ried 1 mile.....	14,569,719	15,809,158
			Total freight revenue.....	\$906,124	\$890,249
			Average revenue per ton per mile.....	\$0.06213	\$0.05631

¹ Including motor miles

Source: Department of the Interior.

No. 420.—ELECTRIC RAILWAYS: SUMMARY OF OPERATIONS

NOTE—This table does not include the electric operations of steam railway companies. Many electric railway companies also engage in other operations, especially in the sale of current for light and power, wherever possible, such light and power business has been excluded, but for numerous companies this is impossible. No distinction can be made in the statistics between purely urban street railways and suburban and interurban lines. The insignificant amount of business still conducted by cable and animal traction is included, as well as some operations conducted by primarily electric railways by means of steam traction and gasoline engine cars. In the trackage statistics of this table, each track of a double or multiple line is counted separately. Mileage figures expressed in nearest mile.

	1890	1902	1912	1917	1922	1927	1932
Number of companies.....	789	987	1,260	¹ 1,307	¹ 1,200	¹ 963	¹ 706
Miles of all track operated.....	8,123	22,577	41,065	44,835	43,932	40,722	31,548
Operated by.....							
Electricity.....	1,262	21,902	40,808	44,677	43,789	40,585	31,432
Cable.....	488	241	56	45	46	43	39
Animal traction.....	5,661	259	58	11	4	—	—
Steam.....	711	170	76	41	1	17	72
Gasoline-engine cars.....	—	² 6	66	56	³ 86	³ 77	4
Gravity.....	—	—	—	6	6	—	—
Value of road and equipment (thousand dollars).....	389,357	2,167,634	4,596,563	5,136,442	5,058,762	⁽⁴⁾ —	4,143,381
Number of employees.....	70,764	140,769	282,461	294,826	⁵ 306,523	⁵ 267,115	182,165
Number of passenger cars.....	32,505	60,290	76,162	79,914	77,301	70,309	59,692
Revenue passengers, including pay transfer ⁶ (thousands).....	2,023,010	4,774,212	9,545,555	11,304,660	12,666,558	12,174,592	7,955,981
Operating revenues (thou- sand dollars).....	90,617	247,554	567,512	709,825	1,016,719	927,774	566,290
Operating expenses (thou- sand dollars).....	62,011	142,313	332,896	452,595	727,795	694,460	442,607
Operating ratio (per cent).....	68.4	57.5	58.7	63.8	71.6	74.9	78.2

¹ Includes companies maintaining separate organizations, though leased to and controlled through stock ownership by other companies, largely in Pennsylvania. In 1912 these companies were treated as merged and not included in the number reported.

² Compressed air.

³ Includes 1.26 miles of nonelectric track in 1922, 1.20 miles in 1927.

⁴ Complete data not available. In 1927 a number of composite companies included the value of electric railway road and equipment in the value of their entire plant and equipment reported on their combined balance sheet on the light and power schedule and advised that this could not be separated. Statistics for Central Light and Power Stations include their combined figures.

⁵ Includes 404 motor-bus employees for 1922 and 2,540 for 1927.

⁶ Not including motor-bus passengers.

Source: Bureau of the Census, Department of Commerce.

No. 421.—ELECTRIC RAILWAYS: MILEAGE, EQUIPMENT, OUTPUT OF ELECTRICITY, TRAFFIC, EMPLOYEES, AND SALARIES AND WAGES

NOTE.—See headnote to Table 420

	All companies				Surface lines		
	1912	1917	1922	1927	1932	1927	1932
Number of operating companies.....	975	943	858	682	485	678	478
Miles of all track ¹	41,065	44,835	43,932	40,722	31,548	39,851	30,519
First track (length of line).....	30,438	32,548	31,264	27,048	20,110	27,667	19,783
Second and other tracks.....	10,627	12,288	12,668	12,775	11,437	12,184	10,736
Electric track with.....							
Overhead trolley.....	38,958	42,491	41,418	² 38,240	² 29,448	² 38,225	² 29,379
Third rail and conduit trolley.....	1,747	2,051	2,314	2,270	² 1,886	1,419	² 927
Other (electric).....	103	137	78	² 95	² 102	² 95	² 102
Number of cars.....	94,016	102,603	99,255	93,246	79,984	84,592	67,339
Passenger.....	76,162	79,914	77,301	70,309	59,692	61,881	50,593
Express, freight, and mail.....	7,794	11,534	11,406	13,337	12,509	13,337	9,266
Service cars.....	10,060	11,155	10,548	9,600	7,783	9,374	7,480
Number of electric locomotives.....	277	357	404	462	609	456	404
Horsepower of power-plant equipment ³	3,661,385	4,200,192	4,119,308	2,025,821	1,530,395	(⁴)	1,030,395
Steam turbines.....	1,462,800	2,322,692	2,856,006	1,561,457	1,244,423	(⁴)	864,423
Other steam engines ⁴	1,703,088	1,221,223	827,027	420,889	252,422	(⁴)	132,422
Internal-combustion engines.....	24,190	28,294	32,495	7,700	3,500	(⁴)	3,500
Water wheels and turbines.....	471,307	627,983	403,778	35,775	30,050	(⁴)	30,050
Kilowatt capacity of generators.....	2,505,316	2,924,779	2,972,834	1,470,904	1,126,714	(⁴)	751,714
Electric energy (1,000 kilowatt-hours) ⁵	9,020,018	12,187,851	12,405,053	9,389,597	7,343,517	(⁴)	5,935,176
Generated ⁵	6,002,659	7,240,503	6,473,451	2,975,863	2,433,176	(⁴)	1,285,000
Purchased.....	3,017,359	4,947,348	5,931,602	6,413,734	4,910,341	(⁴)	4,670,175
Passengers carried (thousands) ⁶	12,135,342	14,506,915	15,331,400	14,901,435	9,888,535	12,678,849	7,849,091
Revenue passengers, including pay transfer.....	9,545,555	11,304,661	12,666,558	12,174,592	7,955,981	9,953,798	5,922,363
Free-transfer passengers.....	2,423,918	3,021,138	2,496,570	2,571,249	1,827,633	2,570,937	1,827,308
Free passengers.....	165,869	81,116	168,272	155,594	105,022	154,114	96,420
Revenue car mileage (thousands).....	1,921,620	2,139,802	2,124,523	2,163,773	1,690,194	1,786,560	1,293,314
Passenger.....	1,885,870	2,037,819	2,068,294	2,084,566	1,650,723	1,707,353	1,237,937
Express, freight, and mail.....	35,750	51,983	56,229	79,207	39,468	79,207	39,468
Average number of revenue passengers.....							
Per mile of all track ⁷	232,556	252,323	288,600	299,733	271,258	259,826	208,433
Per passenger-car hour.....	48 38	53 69	61 14	59 68	54 33	57 66	48 70
Revenue car-hours (thousands).....	190,478	203,057	201,838	202,513	148,649	178,837	123,806
Passenger.....	187,590	199,053	197,146	196,464	146,443	172,788	121,600
Express, freight, and mail.....	2,888	4,004	4,692	6,049	2,206	6,049	2,206
Salaried employees.....							
Number.....	23,271	27,151	30,239	27,845	20,260	26,374	18,448
Salaries (thousand dollars).....	26,129	33,910	57,489	56,647	40,147	52,770	35,621
Wage earners.....							
Number.....	259,190	267,675	270,284	239,270	161,905	211,315	131,923
Wages (thousand dollars).....	174,762	233,331	388,191	385,305	241,686	338,022	191,224
Conductors, motormen, and bus operators.....							
Number.....	131,321	136,184	130,628	115,720	78,928	111,220	74,173
Wages (thousand dollars).....	95,452	127,222	205,238	200,963	121,752	191,476	112,475
Other wage earners.....							
Number.....	127,869	131,491	139,656	123,550	82,977	100,095	57,750
Wages (thousand dollars).....	79,311	106,109	182,953	184,341	119,934	146,546	78,749

¹ Mileage expressed in nearest mile. Figures include track lying outside the United States (1912, 32 miles, 1917, 1922, and 1927, 27 miles, 1932, 24 miles)² In 1927 overhead trolley includes 25 miles of surface lines operated by both overhead trolley and gas-electric motor cars, in 1932, includes 2 miles operated by both overhead trolley and conduit and 2 miles operated by both overhead trolley and oil-electric motor cars³ Figures for power-plant equipment, capacity of generators, and output of stations in 1927 and 1932 are not comparable with those in prior years, as companies that formerly reported these data as auxiliary operations on railway schedules furnished separate and complete reports for light and power operations in 1927 and 1932. These are included in the statistics for "Central Electric Light and Power Stations." The number of companies that reported power-plant equipment in 1912 was 494, in 1917, 355; in 1922, 232, in 1927, 70, in 1932, 39⁴ Includes 33 units with 41,100 horsepower of idle equipment in 1927 and 18 units with 63,167 horsepower of idle equipment in 1932⁵ Not shown separately⁶ Not including passengers carried by motor busses operated by electric railway companies (16,120,000 in 1922, 214,694,000 in 1927, 880,543,000 in 1932)⁷ Exclusive of idle track and freight and switching roads for all years except 1932.

Source Bureau of the Census, Department of Commerce.

No. 422.—ELECTRIC RAILWAYS:

NOTE.—See headnote to Table 420. The track mileage represents that actually lying in each State, but all ducted in other States. The differences among the States in the relation of passengers carried to of interurban as against purely urban traffic. Data for motor-bus lines represent those operated. Revenue car mileage represents passenger, express, freight, and mail-car mileage.

Division and State	Miles of track lying in State or division ¹				Revenue passengers carried by companies domiciled in State (thousands)					
	1912	1922	1927	1932	1912	1922 ²	1927		1932 ³	
							Car lines	Motor-bus lines	Car lines	Motor-bus lines
United States	41,033	43,905	40,696	31,524	9,545,565	12,679,349	12,174,592	167,781	7,955,981	753,784
New England	5,299	5,049	3,831	2,443	1,051,162	1,137,106	910,455	54,621	530,912	132,201
Maine.....	530	556	501	276	47,049	50,010	32,499	75	14,403	(⁴)
N Hampshire.....	268	263	156	90	23,673	19,650	10,807	113	4,839	-----
Vermont.....	121	117	63	17	8,136	6,950	3,691	70	(⁵)	-----
Massachusetts.....	2,951	2,638	2,071	1,305	705,918	732,447	604,951	45,916	368,294	88,053
Rhode Island.....	435	403	304	183	94,086	143,009	105,210	8,447	143,376	44,148
Connecticut.....	993	1,011	836	572	172,300	185,040	153,297	-----	704,809	-----
Middle Atlantic	10,064	10,519	9,473	6,922	3,513,721	4,978,230	5,172,379	174	3,840,352	305,069
New York.....	4,486	4,737	4,348	3,243	2,126,964	3,090,578	3,407,410	162	2,900,373	49,526
New Jersey.....	1,309	1,342	1,093	716	350,858	466,819	406,444	12	175,170	255,243
Pennsylvania.....	4,270	4,440	4,032	2,963	1,029,899	1,420,633	1,358,525	-----	704,809	-----
E. N. Central	11,884	12,431	11,802	8,183	2,159,621	2,981,417	2,886,084	55,906	1,726,180	148,358
Ohio.....	3,999	3,974	3,480	2,513	632,332	872,164	726,069	24,552	420,642	59,764
Indiana.....	2,323	2,305	2,330	1,583	173,019	241,873	201,070	7,580	97,838	10,302
Illinois.....	3,186	3,416	3,298	2,456	932,668	1,128,105	1,257,594	10,282	821,250	16,065
Michigan.....	1,526	1,817	1,779	879	286,956	527,774	557,900	1,920	269,864	36,560
Wisconsin.....	849	919	909	751	134,046	181,375	179,577	11,572	116,566	25,067
W. N. Central	3,031	3,604	3,556	3,149	787,301	942,667	758,333	3,399	402,737	30,176
Minnesota.....	538	681	723	616	186,918	262,781	207,476	-----	121,286	(⁶)
Iowa.....	784	999	982	891	93,413	95,494	66,883	1,675	32,169	4,948
Missouri.....	959	1,098	1,054	956	402,210	464,603	407,210	407	208,325	15,192
North Dakota.....	19	21	19	13	2,862	3,378	2,893	-----	1,331	(⁷)
South Dakota.....	22	17	10	-----	1,657	2,023	736	510	-----	-----
Nebraska.....	214	206	192	157	64,709	76,846	51,890	132	30,119	4,175
Kansas.....	494	581	570	516	35,527	37,742	21,245	675	9,507	5,861
South Atlantic	2,900	3,191	3,063	2,734	616,725	830,514	743,305	9,401	416,799	46,573
Delaware.....	99	96	83	59	18,024	20,860	18,961	-----	-----	-----
Maryland.....	720	758	731	667	186,828	248,594	227,918	-----	221,417	10,614
Dist of Col.....	188	199	185	187	114,100	150,242	136,888	7,459	-----	-----
Virginia.....	561	554	541	486	91,980	116,289	100,751	-----	62,607	26,275
West Virginia.....	330	422	381	340	52,842	91,079	71,163	-----	32,545	(¹¹)
N Carolina.....	190	216	205	190	21,241	29,964	25,443	-----	13,946	2,881
S Carolina.....	228	301	286	246	17,873	20,211	10,255	-----	5,954	2,071
Georgia.....	417	449	425	360	86,601	105,958	98,564	265	52,279	11,028
Florida.....	165	197	226	199	27,236	41,317	53,362	1,677	28,051	2,104
E. S. Central	1,291	1,477	1,378	1,196	268,785	308,021	311,351	-----	174,892	7,204
Kentucky.....	502	517	489	462	103,512	115,594	117,894	-----	68,547	-----
Tennessee.....	361	495	507	403	91,896	110,369	103,984	-----	64,629	5,587
Alabama.....	309	368	335	304	62,494	73,646	85,463	-----	40,101	-----
Mississippi.....	119	98	47	27	10,883	8,412	4,010	-----	1,615	1,617
W. S. Central	1,372	1,724	1,723	1,559	270,746	382,087	352,541	14,305	182,589	31,928
Arkansas.....	114	120	122	106	24,304	29,954	25,887	28	13,725	-----
Louisiana.....	285	305	284	201	94,053	128,337	123,491	3,663	70,104	5,700
Oklahoma.....	252	324	334	368	22,121	36,260	23,808	4,178	10,995	3,131
Texas.....	721	975	1,033	884	130,268	187,536	179,355	6,416	87,765	23,097
Mountain	1,048	1,291	1,137	1,043	154,224	148,748	118,004	1,283	58,625	2,579
Montana.....	99	111	109	190	15,351	15,255	14,108	-----	3,757	-----
Colorado.....	468	431	356	308	86,597	81,613	64,865	591	34,063	-----
New Mexico.....	11	11	11	-----	951	1,425	516	-----	-----	1,794
Arizona.....	46	44	37	22	4,554	5,474	5,432	-----	(¹³)	-----
Idaho.....	129	149	121	46	4,170	3,256	837	-----	-----	-----
Wyoming.....	23	23	-----	-----	1,399	684	-----	-----	-----	-----
Nevada.....	11	5	5	-----	750	480	351	-----	-----	-----
Utah.....	260	517	498	476	40,452	40,561	31,895	692	20,805	785
Pacific	4,146	4,619	4,583	4,295	723,270	970,359	922,140	29,692	622,915	49,696
Washington.....	991	954	904	727	126,687	143,429	118,303	5,570	71,429	-----
Oregon.....	549	612	548	560	75,842	71,804	60,471	2,652	45,334	14,531
California.....	2,605	3,053	3,131	3,008	520,741	755,126	743,366	20,470	506,152	35,165

¹ Mileage figures expressed to nearest mile, original figures to nearest hundredth.

² Includes motor-bus operations.

³ Includes trolley-bus operations.

⁴ Data for Maine, Rhode Island, and Connecticut combined.

⁵ Data for Vermont, Rhode Island, and Connecticut combined.

⁶ Data for Rhode Island included with Massachusetts.

⁷ Data for Minnesota, North Dakota, and Nebraska combined.

OPERATING STATISTICS, BY STATES

other data relate to the total operations of companies domiciled in the State, part of which may be passenger revenue and in other similar ratios are largely due to differences in the relative importance directly by electric railways, lines operated by subsidiary and successor companies are not included

Passenger revenue of companies domiciled in State (thousands of dollars)					Revenue car-miles operated by companies domiciled in State (thousands)					Division and State
1922 ²	1927		1932 ³		1922 ²	1927		1932 ³		
	Car lines	Motor-bus lines	Car lines	Motor-bus lines		Car lines	Motor-bus lines	Car lines	Motor-bus lines	
854, 683	834, 601	14, 578	518, 060	55, 428	2, 124, 523	2, 163, 773	65, 068	1, 681, 491	273, 618	U.S.
87, 704	79, 752	4, 607	43, 262	10, 400	173, 083	154, 549	15, 971	106, 242	40, 904	N.E.
4, 243	3, 060		1, 437	(⁴)	11, 027	9, 485	174	6, 814	(⁵)	Maine.
1, 585	924	44	410		4, 006	2, 767	71	1, 838		N.H.
451	258		(⁵)		1, 406	980	30	(⁶)		Vt.
58, 521	55, 198	6 4, 563	31, 692	7, 142	105, 162	96, 723	13, 166	68, 819	20, 444	Mass.
22, 904	20, 312	(⁶)	5 9, 723	4 3, 258	16, 244	13, 932	2, 530	5 28, 771	14, 460	R.I.
					35, 238	30, 662				Conn.
297, 560	308, 687	17	219, 363	19, 288	710, 550	755, 120	56	684, 046	75, 473	M. A.
168, 451	186, 092	16	152, 936	3, 284	442, 114	496, 910	51	492, 408	9, 757	N.Y.
30, 863	21, 743	1	9, 184	16, 004	69, 214	52, 179	4	23, 459	65, 716	N.J.
98, 246	100, 252		57, 243		199, 222	206, 031		148, 179		Pa.
213, 365	211, 622	5, 061	117, 259	11, 823	546, 337	571, 510	22, 688	385, 595	65, 214	E. N. C.
55, 359	50, 309	1, 989	25, 743	3, 980	141, 247	136, 400	7, 081	83, 663	20, 851	Ohio.
20, 286	18, 579	513	7, 399	1, 023	58, 552	63, 782	4, 043	41, 971	7, 566	Ind.
93, 817	100, 278	1, 007	63, 817	1, 354	230, 127	256, 985	4, 310	194, 267	9, 511	Ill.
31, 473	29, 186	196	12, 896	3, 453	35, 571	78, 929	1, 316	37, 936	16, 383	Mich.
12, 430	13, 270	1, 356	7, 404	2, 113	32, 840	35, 414	5, 933	27, 758	10, 608	Wis.
66, 880	56, 599	394	34, 188	2, 497	174, 012	159, 097	2, 303	122, 072	16, 985	W. N. C.
15, 850	14, 379		9, 387	(⁷)	36, 066	35, 546		29, 403	(⁸)	Minn.
7, 850	5, 968	175	2, 652	366	29, 152	23, 892	783	15, 881	3, 109	Iowa
34, 137	30, 106		18, 660	1, 344	80, 738	76, 702	180	61, 094	7, 192	Mo.
	382	8 167	(⁹)	(¹⁰)	926	951		737	(¹¹)	N. Dak.
					579	368	879			S. Dak.
4, 930	3, 695	12	2 2, 646	7 375	13, 980	11, 291	65	7, 911	2 2, 886	Nebr.
3, 771	2, 069	40	843	412	12, 571	10, 347	396	7, 046	3, 798	Kans.
58, 863	54, 733	10 749	32, 931	3, 259	153, 154	151, 263	3, 812	118, 933	20, 994	S. A.
30, 995	29, 164	(¹⁰)	19, 510	860	3, 883	3, 649				Del.
					42, 401	40, 387		53, 919	5, 617	Md.
7, 540	6, 979		3, 871	1, 691	21, 037	20, 082	2, 775			D.C.
6, 570	5, 761		2, 527	(¹¹)	24, 312	24, 632		17, 781	8, 975	Va.
2, 068	1, 708		913	176	15, 238	15, 504		11, 934	(¹²)	W. Va.
1, 755	751		395	143	6, 887	6, 595		5, 641	1, 418	N.C.
7, 521	6, 991	(¹⁰)	4, 057	11 207	7, 719	7, 399		6, 283	1, 367	S.C.
2, 414	3, 379	(¹⁰)	1, 658	182	22, 619	21, 429	150	15, 888	11 2, 007	Ga.
					9, 058	11, 586	887	8, 487	1, 610	Fla.
20, 840	20, 541		11, 880	592	58, 389	59, 504		47, 455	4, 303	E. S. C.
7, 643	7, 764		4, 879		20, 372	21, 480		17, 496		Ky.
7, 735	7, 252		4, 450	450	19, 122	20, 635		16, 248	2, 755	Tenn.
4, 812	5, 270		2, 450		15, 820	15, 910		12, 539		Ala.
650	255		101	112	3, 075	1, 479		1, 172	1, 548	Miss.
29, 529	27, 582	1, 094	13, 301	2, 645	80, 091	82, 050	5, 215	59, 200	18, 914	W. S. C.
1, 781	1, 530	3	794	382	5, 735	6, 371	26	5, 138	2, 380	Ark.
9, 388	8, 554	265	4, 819		20, 429	18, 259	1, 123	13, 509		La.
3, 127	2, 443	301	1, 040	269	9, 356	9, 017	1, 416	7, 548	2, 374	Okla.
15, 293	15, 035	825	6, 648	1, 994	44, 571	48, 423	2, 650	33, 005	14, 160	Tex.
11, 459	9, 072	136	4, 613	211	32, 739	32, 187	723	21, 404	2, 029	Mt.
951	859		237		2, 979	3, 090		2, 344		Mont.
6, 222	4, 898	(¹²)	2, 834	144	15, 746	15, 152	259	10, 639	1, 368	Colo.
382	447		(¹³)		410	334				N. Mex.
388					981	1, 096		(¹³)		Ariz.
					1, 323	770				Idaho.
					253					Wyo.
					108	80				Nev.
3, 516	2, 868	12 136	15 1, 542	67	10, 939	11, 665	464	12 8, 421	661	Utah
68, 463	66, 033	2, 520	41, 263	4, 743	198, 168	198, 493	14, 306	155, 544	28, 802	Pac.
12, 273	10, 587	972	5, 385	1, 949	36, 299	32, 273	3, 953	23, 558	11, 527	Wash.
6, 235	5, 147		3, 189		21, 341	20, 192	1, 313	15, 165		Oreg.
49, 905	50, 299	1, 548	32, 689	2, 794	138, 528	146, 028	9, 040	116, 821	17, 275	Calif.

² Data for Missouri and South Dakota

³ Data for North Dakota included with Nebraska

⁴ Figures for South Atlantic division represent District of Columbia, Georgia, and Florida.

⁵ Data for West Virginia and Georgia combined

⁶ Data for Colorado included with Utah

⁷ Data for Arizona included with Utah

Source: Bureau of the Census, Department of Commerce.

No. 423.—ELECTRIC RAILWAYS: INCOME ACCOUNT OF OPERATING COMPANIES

NOTE.—See headnote to Table 420

[All figures except percentages in thousands of dollars]

	All companies				Surface lines		Motor-bus lines	
	1912	1922	1927	1932	1927	1932	1927	1932
Gross operating revenue.....	587, 511	1,016,719	1 927, 774	1 566, 749	798, 754	447, 628	68, 121	99, 887
Railway operations.....	535, 966	925, 477	918, 809	566, 290	789, 849	417, 169	68, 121	99, 884
Passenger.....	502, 652	851, 663	834, 601	518, 060	713, 288	408, 431	65, 490	95, 851
Baggage, express, and milk.....	3, 688	5, 285	1, 271	1, 328	4, 271	1, 328	1, 763	2, 478
Freight.....	10, 165	31, 560	39, 125	17, 647	39, 125	16, 657	868	1, 555
Other railway operations.....	19, 491	33, 969	40, 873	29, 255	33, 165	20, 753	2	3
Auxiliary operations.....	31, 515	91, 242	1 8, 905	1 459	8, 905	459		
Operating expenses (total).....	332, 898	727, 795	1 694, 460	1 442, 993	616, 258	364, 269	66, 002	94, 618
Railway operating expenses.....	318, 700	678, 563	686, 638	442, 607	608, 436	363, 883	65, 771	94, 618
Way and structures.....	44, 270	102, 003	96, 285	61, 000	85, 807	48, 674	23, 717	30, 134
Equipment.....	38, 717	87, 237	92, 865	55, 921	79, 249	43, 993		
Power.....	53, 599	107, 246	98, 602	70, 647	84, 608	55, 420		
Conducting transportation.....	129, 205	286, 690	294, 322	186, 515	262, 415	154, 633	42, 054	64, 484
All other.....	52, 900	95, 388	104, 564	68, 624	96, 457	60, 163		
Auxiliary operations.....	14, 196	49, 232	17, 822	1 386	7, 822	386	4 231	
Ratio of expenses to revenue (per cent).....	58.7	71.6	74.9	78.2	77.2	81.4	96.6	94.7
Net operating revenue.....	254, 615	288, 924	1 233, 314	1 123, 756	182, 496	83, 359	2, 119	5, 269
Taxes.....	35, 028	64, 788	57, 809	40, 670	49, 504	33, 416	2, 880	6, 024
Operating income.....	199, 587	224, 136	1 175, 505	1 83, 086	132, 992	49, 943	3 761	5 255

¹ Figures beginning with 1927 not comparable with corresponding figures for prior years, as a number of companies that formerly reported their light and power departments in "auxiliary operations" furnished complete separate reports for these departments in 1927 and 1932 which are included in statistics for "Central Electric Light and Power Stations"

² Net surplus³ Includes superintendence of power.⁴ Net deficit⁵ Deficit

Source. Bureau of the Census, Department of Commerce

No. 424.—RECEIVERSHIPS OF ELECTRIC RAILWAYS

Year	Placed under receivership				Sold under foreclosure					
	Number of companies	Miles of track	Outstanding securities		Number of companies	Miles of track	Outstanding securities		Receivers' certificates	
			Stock	Bonds			Stock	Bonds		
			Dollars	Dollars			Dollars	Dollars		Dollars
1910.....	11	697	12, 629, 400	75, 490, 735	22	724	19, 108, 613	26, 374, 075	(1)	
1911.....	19	519	29, 533, 450	38, 973, 293	25	661	91, 354, 800	115, 092, 750	(1)	
1912.....	26	374	20, 410, 700	11, 133, 800	18	267	14, 197, 300	10, 685, 250	(1)	
1913.....	18	343	31, 006, 900	47, 272, 200	17	302	15, 243, 700	19, 094, 500	(1)	
1914.....	10	362	35, 562, 550	19, 050, 460	11	181	26, 239, 700	44, 094, 241	(1)	
1915.....	27	1, 163	40, 557, 950	39, 036, 100	19	308	30, 508, 817	16, 759, 997	(1)	
1916.....	15	350	14, 119, 168	11, 434, 708	19	430	13, 895, 400	22, 702, 300	(1)	
1917.....	21	1, 288	33, 597, 305	33, 344, 800	26	745	27, 281, 900	27, 313, 045	(1)	
1918.....	29	2, 106	92, 270, 779	172, 015, 103	23	524	37, 740, 325	20, 149, 384	(1)	
1919.....	51	3, 856	209, 424, 110	305, 760, 151	29	2, 675	89, 893, 400	79, 836, 378	42, 300	
1920.....	19	1, 055	36, 467, 105	67, 755, 850	13	290	7, 782, 400	11, 227, 328	52, 000	
1921.....	18	951	31, 714, 450	34, 252, 550	13	778	33, 642, 255	30, 863, 526	5, 000	
1922.....	14	702	17, 596, 050	25, 160, 800	13	323	7, 491, 500	12, 640, 600	14, 683	
1923.....	12	333	6, 760, 100	13, 255, 300	15	927	118, 077, 959	110, 638, 250	12, 265, 000	
1924.....	13	1, 164	30, 355, 585	40, 290, 355	14	869	21, 022, 800	34, 845, 535	3, 440, 388	
1925.....	13	1, 129	36, 291, 045	48, 632, 084	13	569	18, 074, 300	18, 329, 555	53, 000	
1926.....	16	1, 281	16, 871, 390	117, 743, 311	28	1, 291	20, 054, 700	57, 340, 363	214, 000	
1927.....	12	567	16, 895, 523	20, 292, 816	16	941	53, 345, 000	78, 445, 100	3, 140, 000	
1928.....	8	395	8, 467, 200	15, 014, 400	8	1, 004	26, 084, 325	40, 683, 400	168, 150	
1929.....	5	500	39, 035, 000	36, 373, 900	10	510	18, 472, 995	21, 173, 700	285, 359	
1930.....	15	1, 765	79, 647, 700	97, 442, 081	8	1, 055	36, 254, 965	44, 564, 000		
1931.....	16	1, 526	40, 782, 922	45, 155, 383	12	845	38, 206, 600	19, 769, 600	50, 000	
1932.....	20	1, 932	176, 343, 850	392, 719, 308	6	347	10, 685, 000	12, 609, 800		
1933.....	10	1, 736	39, 773, 300	119, 298, 196	8	405	9, 575, 405	16, 346, 700	7, 500	

¹ Data not available.

Source: Annual Statistical Number, Transit Journal.

No. 425.—ELECTRIC RAILWAYS: SUMMARY OF STATISTICS OF SUBWAY AND ELEVATED LINES¹

	1907	1912	1917	1922	1927	1932
Number of companies.....	6	7	7	7	2 4	2 7
Miles of track ²	430 4	517 8	666 1	857 9	870 9	1,028 4
Number of cars.....	4,453	5,706	6,801	8,006	8,654	12,645
Passengers carried (thousands).....	640,705	1,004,823	1,274,652	1,745,167	2,222,586	2,039,445
Revenue passengers, including pay transfer.....	635,653	991,062	1,262,509	1,743,284	2,220,794	2,033,616
Revenue car mileage (thousands).....	143,268	219,375	247,199	303,346	377,213	396,880
Average number of revenue passengers per mile of all track ⁴	1,514,866	1,913,950	2,112,349	2,220,719	2,858,422	2,092,587
Per passenger-car hour.....	(³)	(⁵)	(⁵)	90 86	93 80	(⁵)
Salariat employees						
Number.....	362	907	1,937	1,372	1,471	1,812
Salaries (thousands of dollars).....	569	1,398	2,648	3,008	3,877	4,525
Wage earners						
Number.....	12,501	19,098	26,835	26,007	27,955	29,982
Wages (thousands of dollars).....	8,588	13,867	22,093	40,988	47,283	50,462

¹ Exclusive of the mixed elevated, subway, and surface systems of Boston and Philadelphia which are included in the surface group

² Four companies were consolidated and treated as one company in 1927, but as separate companies in 1932

³ Includes a minor amount of surface trackage

⁴ Average for 1907 and 1912 based on all track exclusive of idle track and freight and switching roads, for 1917, 1922, and 1927, on running track exclusive of idle track and freight and switching roads, for 1932, on total main track.

⁵ No data

No. 426.—ELECTRIC RAILWAYS: MILEAGE OF ELEVATED AND SUBWAY AND TUNNEL TRACK, BY STATES

NOTE.—In these statistics all track is included, each track of a double or multiple line is counted separately Mileage expressed in nearest tenth

Class of trackage and State	1912	1917	1922	1927	1932	Class of trackage and State	1912	1917	1922	1927	1932
Elevated, total.....	417 8	497 3	601 7	634 2	638 3	Subways and tunnels, total.....	112 7	218 8	325 6	342 4	510 3
New York.....	230.8	297 0	362 8	373 0	379 8	New York ¹	70 5	162 4	269.1	281.7	356 9
Illinois.....	141 9	146 9	163 9	178 7	178 7	Massachusetts.....	18 5	25 2	27 0	29 4	30 6
Pennsylvania.....	9 9	16 7	32 4	32 2	32 2	New Jersey.....	11 7	12 6	12 6	12 6	12 6
Massachusetts.....	26 6	26 2	30 1	35 6	40 1	Pennsylvania.....	8 4	9 0	8 0	9 2	38 4
New Jersey.....	4 3	4 4	4 3	4 3	4 4	California.....	3 5	4 4	5 4	5 9	8 5
Missouri.....	2 9	3 0	2 9	—	—	Illinois.....	1 9	1 9	1 8	1 8	61 2
Washington.....	—	—	2 7	7 8	—	All other States ²	1 4	2 3	1 7	1 8	2 1
Maryland.....	1 4	1 4	1 4	1 4	1 4						
California.....	—	1 2	1 2	1 2	6						
Kansas.....	—	.5	—	—	—						
Minnesota.....	—	—	—	1 1	—						

¹ Figures for New Jersey include 11 68 miles owned and operated by a New York company

² Kansas, Missouri, Oregon, and Tennessee, 1912, Connecticut, Minnesota, Missouri, Rhode Island, West Virginia, and Wisconsin, 1917, Rhode Island, Minnesota, and Missouri, 1922, Minnesota, Missouri, Rhode Island, and Washington, 1927, Minnesota, Missouri, Montana, Rhode Island, and Washington, 1932

No. 427.—ELECTRIC RAILWAYS: FINANCES OF ELEVATED AND SUBWAY LINES

NOTE.—All figures in thousands of dollars Data exclude the mixed elevated, subway, and surface systems of Boston and Philadelphia which are included in the surface group

Account	1907	1912	1917	1922	1927	1932
Income from all sources.....	34,258	55,246	70,213	108,483	132,135	121,612
Operating revenues.....	33,874	52,239	68,537	105,862	129,020	119,120
Operating expenses.....	15,129	23,613	31,669	67,660	78,202	78,723
Net operating revenue.....	18,745	28,626	36,868	38,202	50,818	40,397
Taxes of operating companies.....	1,986	3,501	5,136	6,441	8,215	7,253
Operating income.....	16,759	25,125	31,732	31,761	42,603	33,143
Miscellaneous income.....	344	3,008	1,676	2,621	3,115	2,492
Gross income.....	17,143	28,133	33,408	34,382	45,718	35,635
Deductions from gross income.....	11,473	18,902	21,347	34,856	33,907	34,036
Interest.....	3,701	9,654	10,442	19,225	23,370	26,451
Miscellaneous.....	7,772	9,248	10,905	15,631	10,637	7,585
Net income.....	5,670	9,231	12,061	1 474	11,811	1,599
Dividends.....	4,009	8,530	10,087	—	6,250	(²)
Surplus.....	1,661	701	1,974	1 474	5,561	(²)

¹ Deficit

² Not shown separately

Source of Tables 425, 426, and 427, Bureau of the Census, Department of Commerce.

No. 428.—MOTOR-BUS OPERATIONS: SUMMARY OF STATISTICS FOR LINES
OPERATED BY ELECTRIC RAILWAYS, SUBSIDIARY, AND SUCCESSOR COMPANIES

NOTE.—Data for successor companies not available in 1927

	1927			1932			
	Total	Operated by—		Total	Operated by—		
		Electric railway com- panies	Subsid- iary com- panies		Electric railway com- panies	Subsid- iary com- panies	Success- or com- panies
Number of companies.....	301	98	203	498	173	95	230
Number of routes operated.....	1,583	482	1,101	3,613	2,119	533	961
Miles of route (round trip).....	29,267	7,073	22,194	77,897	21,556	20,577	35,764
Miles of street or highway served (one way).....	14,299	3,313	10,986	36,652	9,708	9,363	17,581
Number of busses, total.....	8,277	2,064	6,213	15,064	8,559	3,070	3,435
Owned.....	7,818	1,885	5,933	14,076	8,083	2,961	3,032
Rented.....	459	179	280	988	476	109	403
Single-deck.....	7,745	1,976	5,769	14,486	8,256	2,828	3,402
Owned.....	7,303	1,797	5,506	13,554	7,881	2,719	3,004
Rented.....	442	179	263	932	435	109	398
Double-deck.....	532	88	444	578	303	242	33
Owned.....	515	88	427	522	252	242	28
Rented.....	17	—	17	56	51	—	5
Number of busses in operation.....	7,681	1,901	5,780	13,297	7,596	2,709	2,992
Average number of busses operated in sched- uled service during year.....	6,238	1,585	4,653	10,703	6,205	1,979	2,519
Number of passengers carried (thousands).....	875,402	214,694	660,708	1,302,318	880,543	225,984	195,791
Revenue passengers.....	771,806	163,199	608,608	1,135,600	749,423	202,531	183,546
Pay-transfer passengers.....	12,453	4,583	7,871	12,162	4,361	6,528	1,273
Free-transfer passengers.....	85,235	45,667	39,568	143,729	118,704	15,658	9,367
Free passengers.....	5,907	1,246	4,661	10,928	8,055	1,268	1,605
Number of bus-miles (thousands).....	272,518	65,905	206,613	499,025	275,633	102,770	120,622
Revenue miles.....	270,483	65,068	205,415	494,922	273,618	101,345	119,959
Nonrevenue miles.....	2,035	837	1,198	4,103	2,015	1,425	663
Number of bus-hours (thousands).....	24,927	5,716	19,210	43,308	24,521	8,955	9,832
Revenue hours.....	24,571	5,632	18,939	42,760	24,265	8,722	9,773
Nonrevenue hours.....	356	84	271	548	256	233	59
Number killed or died from injuries.....	108	15	93	95	60	15	20
Number injured but not killed.....	10,082	3,151	6,931	11,820	8,226	2,643	951
INCOME STATISTICS (thousands of dollars)							
Operating revenues.....	68,121	15,135	52,986	99,884	57,178	22,232	20,474
Transportation revenues.....	67,253	15,004	52,248	98,329	56,444	21,747	20,138
Miscellaneous.....	868	131	738	1,555	734	485	336
Operating expenses.....	65,771	15,272	50,500	94,618	52,247	22,054	20,317
Maintenance of plant and equipment.....	23,717	5,398	18,319	30,134	16,850	7,280	6,004
Operation.....	36,056	8,554	27,502	54,637	30,270	12,645	11,722
General expense including traffic pro- motion.....	5,998	1,320	4,678	9,847	5,127	2,129	2,591
Net operating revenue, motor-bus lines.....	2,349	1,137	2,486	5,266	4,931	178	157
Net revenue from auxiliary operations.....	1,231	—	1,231	4	—	—	4
Total net revenues, motor-bus and auxiliary.....	2,119	1,137	2,255	5,270	4,931	178	161
Taxes.....	2,880	584	2,295	6,024	3,388	1,431	1,205
Operating income, motor-bus and auxiliary.....	1,761	1,781	1,401	1,758	1,542	1,262	1,048
Nonoperating income.....	295	32	264	545	62	159	324
Gross income.....	1,466	1,690	224	1,209	1,605	1,094	1,780
Deductions from gross income.....	1,707	198	1,509	2,676	906	901	869
Net income.....	1,217	1,888	1,185	1,285	699	1,195	1,189
Number of employees.....	16,633	3,619	13,014	30,514	17,940	6,330	6,244
Salaried employees.....	2,333	265	2,068	3,896	2,105	827	964
Wage earners.....	14,300	3,354	10,946	26,618	15,835	5,503	5,280
Salaries and wages (thousands of dollars).....	27,564	6,119	21,445	43,512	25,690	9,209	8,613
Salaries.....	3,340	657	2,683	6,439	3,351	1,337	1,751
Wages.....	24,224	5,462	18,762	37,073	22,339	7,872	6,862

¹ Deficit.

Source: Bureau of the Census, Department of Commerce.

No. 429.—CIVIL AERONAUTICS· SUMMARY OF STATISTICS

Item	1928	1930	1931	1932	1933
SCHEDULED AIR TRANSPORT OPERATIONS					
Services in operation Dec 31.....	63	122	126	136	112
Miles of all airways in operation Dec 31.....	16,667	49,649	50,368	48,530	47,687
Airplanes in service and reserve Dec 31.....	325	600	590	564	501
Value.....	\$7,000,000	\$11,489,540	\$9,167,500	\$8,763,432	\$9,500,000
Total personnel employed Dec. 31.....	1,496	3,475	15,645	5,588	10,273
Pilots employed.....	308	675	690	709	749
Airplane miles flown, all operators.....	10,673,450	36,945,203	47,385,987	50,932,967	54,642,545
Airplane miles flown daily, average for the year.....	29,242	101,220	129,825	139,542	149,706
Passengers carried.....	49,713	417,505	522,345	540,681	568,940
Average passenger-mile rate (domestic).....	\$0 11	\$0 083	\$0 0674	\$0 061	\$0 061
Express and freight carried, pounds.....	216,644	463,571	1,151,348	1,600,821	2,452,812
Express and freight privately carried, pounds.....	1,631,512	2,400,684	1,532,156	669,011	-----
Miles of mail airways Dec 31 ²	14,561	41,501	43,735	45,436	44,665
Airplane miles flown with mail ²	7,846,296	19,904,185	33,113,720	36,053,067	41,671,490
Mail carried by contractors, pounds ²	4,063,173	8,513,675	9,643,211	7,908,723	7,816,532
Average mail load per scheduled round trip, pounds ³	489	608	678	522	-----
Mail income to contractors ²	\$7,432,721	\$20,015,969	\$26,884,043	\$26,234,321	\$23,413,691
Average mail income per scheduled round trip ³	\$994	\$974	\$1,482	\$1,363	-----
Average income per pound of contract mail ³	\$2 03	\$1 60	\$2 19	\$2 61	\$2 24
Average mail income per contract mile flown ³	\$0 94	\$0 88	\$0 70	\$0 56	\$0 43
MISCELLANEOUS ⁴					
Airplane miles flown (misc flying operations).....	60,000,000	108,269,760	94,343,115	78,178,700	71,222,845
Miles airways lighted by Dept of Commerce.....	6,988	15,258	17,512	19,500	18,655
Under construction.....	2,314	3,221	1,988	-----	2,638
Beacons, revolving and flashing (Federally operated).....	1,188	1,652	1,836	1,988	1,796
Beacons, privately owned and certified.....	54	140	188	223	269
Radio communication stations.....	29	45	56	61	68
Radio range beacon stations.....	2	33	47	68	94
Radio marker beacons.....	-----	6	46	74	77
Weather reporting airway and airport stations ⁵	-----	143	234	234	205
Weather Bureau airway stations ⁶	95	279	348	310	317
Weather Bureau first order stations.....	206	209	218	216	194
Commercial and private airports.....	385	564	673	645	713
Municipal airports.....	368	550	636	549	563
Intermediate landing fields—Dept. of Commerce—	-----	-----	-----	-----	-----
Lighted.....	210	347	385	337	246
Unlighted.....	-----	7	19	15	19
Auxiliary airports—marked.....	340	240	300	476	550
Army, Navy, Marine Corps, National Guard, reserve and miscellaneous airports.....	81	74	80	95	97
Pilots licensed (active), airplane.....	4,887	15,280	17,739	18,594	13,960
Airplanes licensed (active).....	3,165	7,354	7,553	7,330	6,806

¹ Includes operation and office personnel² All air mail routes, whether domestic or foreign³ Domestic only, as foreign mail is carried on a mileage basis.⁴ All data, except airplane miles flown, are as of Dec 31.⁵ Teletypewriter equipped.⁶ Not equipped with teletypewriter

Source: Aeronautics Branch, Department of Commerce

21.—WATERWAYS, WATER TRAFFIC, AND SHIPPING

[Data in this section cover the following areas unless otherwise indicated: From Board of Engineers of the United States Army, and Bureau of Foreign and Domestic Commerce, United States customs area which includes Alaska, Hawaii, and Puerto Rico; from United States Shipping Board, continental United States]

General note as to units of measurement—"Cargo tonnage" represents weight of cargo in long tons (2,240 pounds) or short tons (2,000 pounds). All other tonnage figures refer to capacity of vessels. The terms gross and net tonnage refer to space measurement, 100 cubic feet being called 1 ton. Gross tonnage is the capacity of the entire space within the frames and the ceiling of the hull, together with those closed-in spaces above deck available for cargo, stores, passengers or crew, with certain minor exemptions. Net or registered tonnage is what remains after deducting from the gross tonnage the spaces occupied by the propelling machinery, fuel, crew quarters, master's cabin, and navigation spaces. It represents substantially space available for cargo and passengers. The net tonnage capacity of a ship recorded as "entered with cargo" may bear little relation to actual weight of cargo. Dead-weight tonnage is the weight in long tons required to depress a vessel from light water line (that is, with only the machinery and equipment on board) to load line. It is therefore the weight of the cargo, fuel, etc., which a vessel is designed to carry with safety. Displacement tonnage (naval vessels) has reference to weight of the vessel itself with its normal equipment, fuel, etc.

No. 430.—CARGO TONNAGE OF WATER-BORNE COMMERCE OF THE UNITED STATES

[In thousands of short tons of 2,000 pounds]

	1927	1928	1929	1930	1931	1932
Foreign commerce, total.....	120,523	126,768	127,510	114,110	89,526	70,429
Imports, through seaports.....	43,388	46,690	51,591	46,448	37,375	29,843
Exports, through seaports.....	56,550	56,151	55,761	48,148	38,841	30,039
Imports, Great Lakes ports.....	8,098	8,548	6,385	7,590	4,016	3,072
Exports, Great Lakes ports.....	12,487	15,379	13,773	11,924	9,294	7,475
Domestic commerce, unadjusted total.....	478,118	482,232	527,535	477,220	403,918	319,870
Coastwise, between ports.....	121,036	119,254	124,999	117,821	113,949	94,434
Great Lakes, between ports.....	113,917	119,301	135,838	109,791	71,788	39,544
Local traffic of seaports and Great Lakes ports ¹	78,162	77,925	91,892	81,403	70,814	57,920
Traffic between seaports and river points.....	38,191	37,672	39,632	35,601	34,044	24,134
Traffic on rivers, canals, and connecting channels ²	121,812	128,080	135,174	132,604	113,323	103,829
Foreign and domestic, unadjusted total.....	593,641	609,000	655,045	591,330	493,444	390,299
Deduction of duplications						
Traffic between seaports and river points.....	38,191	37,672	39,632	35,601	34,044	24,134
Other duplications (canals, etc.) ³	22,950	32,128	31,613	35,449	13,752	23,676
Net total, foreign and domestic.....	532,500	539,200	583,800	520,280	445,648	342,489
Approximate net total, domestic ⁴	411,977	412,432	456,290	406,170	356,122	272,060

¹ Includes the following, with figures for 1932: Harbor traffic of New York, Philadelphia, and San Francisco (34,699,000 tons), local traffic of other seaports (18,431,000), local traffic of lake ports (4,798,000)

² Excluding St. Marys Falls Canal traffic (20,481,000 tons in 1932) and additional Detroit River traffic (24,966,000 tons in 1932), both of which are already counted in Great Lakes traffic, also excluding duplications relating to rivers and canals themselves

³ Principally coastwise and lake traffic passing through canals and connecting channels, other than the St. Marys Falls Canal and the Detroit River

⁴ Estimated from data in this table on the assumption that all the duplications deducted from the grand total represent duplications in domestic traffic, there are, however, some minor cases of duplication connected with foreign traffic

Source: Board of Engineers for Rivers and Harbors.

No. 431.—COMMERCE OF PRINCIPAL UNITED STATES OCEAN PORTS, 1932

NOTE.—In thousands of short tons of 2,000 pounds In addition to the commerce here shown, many of the ports have (1) commerce with ports on internal rivers and canals; (2) purely local port traffic, including in the case of New York, Philadelphia, and San Francisco, what is called intraport traffic between parts of a harbor for which separate statistics are maintained These forms of traffic, although the aggregate tonnage is large, are of much less economic importance than foreign and coastwise traffic

Port	Im-ports	Ex-ports	Coastwise		Port	Im-ports	Ex-ports	Coastwise	
			Re-ceipts	Ship-ments				Re-ceipts	Ship-ments
Grand total	29,843	30,039	93,170	95,693	Gulf ports—Con.				
Atlantic ports	24,311	8,479	62,452	34,710	Gulfport, Miss.....	18	96	19	2
Searspoint, Me.....	4	6	353	237	New Orleans, La.....	1,931	1,766	2,268	2,017
Portland, Me.....	280	91	1,666	211	Baton Rouge, La.....	186	926	2	2,254
Portsmouth, N H.....	22	—	204	5	Galveston, Tex.....	228	1,552	470	743
Boston Harbor, Mass.....	2,010	209	9,786	1,097	Texas City, Tex.....	10	105	32	2,052
Beverly, Mass.....	32	—	448	12	Houston, Tex.....	182	3,142	731	7,640
Salem, Mass.....	1	—	251	—	Freeport, Tex.....	—	132	(1)	219
Lynn, Mass.....	16	—	219	—	Port Aransas, Tex.....	—	—	—	666
New Bedford and Fairhaven, Mass.....	1	2	376	37	Sabine, Tex.....	—	—	—	504
Fall River, Mass.....	375	—	1,201	753	Port Arthur, Tex.....	53	1,776	767	7,937
Newport, R I.....	—	—	4	4	Beaumont, Tex.....	97	561	179	11,796
Providence, R I.....	487	4	3,198	595	Corpus Christi, Tex.....	3	188	80	89
New London, Conn.....	9	(1)	393	110	Pacific ports	2,458	9,477	24,102	23,682
New Haven, Conn.....	15	11	1,610	216	San Diego, Calif.....	24	1	584	16
Bridgeport, Conn.....	19	—	818	48	Los Angeles, Calif.....	420	4,632	5,031	8,206
Stamford, Conn.....	—	—	216	25	San Luis Obispo, Calif.....	—	551	9	1,629
Greenwich, Conn.....	—	—	90	1	San Francisco Bay, Calif.....	1,029	2,199	9,444	4,942
New York Harbor, N Y.....	12,747	4,884	24,520	5,977	Monterey, Calif.....	—	—	60	595
Hempstead, N Y.....	—	—	340	2,314	Humboldt, Calif.....	—	5	169	68
Port Jefferson, N Y.....	—	—	63	1,267	Long Beach, Calif.....	34	76	659	1,501
Philadelphia, Pa.....	3,615	869	5,840	2,514	Coos Bay, Oreg.....	—	45	40	98
Baltimore, Md.....	2,684	529	3,913	810	Portland, Oreg.....	79	573	2,211	787
Hampton Roads, Va.....	581	922	1,265	15,583	Other ports on Columbia and Willamette Rivers.....	(1)	97	167	231
Wilmington, N C.....	94	14	527	20	Longview, Wash.....	4	78	42	346
Charleston Harbor, S C.....	340	154	795	156	Grays Harbor, Wash.....	1	179	82	216
Savannah, Ga.....	266	279	839	411	Port Gamble, Wash.....	—	12	1	201
Brunswick, Ga.....	42	96	275	278	Olympia, Wash.....	—	53	52	222
Fernandina, Fla.....	1	50	(1)	19	Tacoma, Wash.....	162	396	495	526
Jacksonville, Fla.....	237	227	940	359	Seattle, Wash.....	284	360	2,693	1,185
Miami, Fla.....	124	53	349	73	Everett, Wash.....	32	54	141	265
Key West, Fla.....	65	48	53	3	Anacortes, Wash.....	25	4	47	27
San Juan, P R.....	155	15	434	239	Bellingham, Wash.....	26	39	83	209
Gulf ports	3,074	12,084	6,586	37,308	Port Angeles, Wash.....	115	11	105	152
Charlotte, Fla.....	—	174	1	186	Port Townsend, Wash.....	96	(1)	369	56
Tampa, Fla.....	101	648	819	702	Port Ludlow, Wash.....	—	16	1	184
Pensacola, Fla.....	28	257	136	103	Honolulu, Hawaii.....	80	5	983	605
Mobile, Ala.....	218	722	619	220	Kahului, Hawaii.....	2	(1)	133	225
					Hilo, Hawaii.....	17	—	143	246

¹ Less than 500 tons

² Including Delaware and Schuylkill Rivers, Pa In prior years included also points on Delaware River below Allegheny Avenue, Philadelphia

³ Including Ashley River

Source Annual Report of the Chief of Engineers, United States Army

No. 432.—GREAT LAKES, COMMERCE OF THE PRINCIPAL PORTS

NOTE.—In thousands of short tons of 2,000 pounds Foreign imports and exports and coastwise receipts and shipments are included

Port	Receipts				Shipments			
	1929	1930	1931	1932	1929	1930	1931	1932
Total	141,182	118,812	74,300	42,484	150,653	122,283	82,586	47,151
Agate Bay, Minn.....	184	101	67	7	7,416	7,102	3,742	460
Alpena, Mich.....	289	252	207	133	1,623	1,483	1,412	1,763
Ashland, Wis.....	856	786	590	337	8,535	5,655	3,259	756
Ashtabula, Ohio.....	8,938	6,151	2,123	406	3,435	4,323	4,021	3,460
Buffalo, N Y.....	15,277	12,487	9,695	6,716	2,689	2,572	2,359	2,016

No. 432.—GREAT LAKES, COMMERCE OF THE PRINCIPAL PORTS—Continued

Port	Receipts				Shipments			
	1929	1930	1931	1932	1929	1930	1931	1932
Calcutta, Mich.	125	93	40	24	10,694	8,660	3,753	1,323
Charlotte, N. Y. (Rochester).	150	149	138	74	1,458	925	851	503
Chicago, Ill.	14,920	11,238	7,048	2,741	1,417	1,561	2,472	2,112
Cleveland, Ohio	14,059	9,620	4,683	2,230	2,626	2,198	1,953	1,920
Conneaut, Ohio	9,572	8,570	4,246	369	2,874	2,247	1,426	832
Detroit, Mich.	4,628	4,847	3,194	2,840	787	297	308	166
Duluth-Superior	12,130	11,247	8,766	6,615	48,256	34,480	17,692	3,904
Erie, Pa.	2,301	1,905	1,269	306	963	2,496	2,416	1,753
Escanaba, Mich.	185	222	154	119	7,116	4,543	1,784	368
Fairport, Ohio	3,737	3,071	1,719	674	1,576	840	529	1,032
Frankfort, Mich.	925	787	607	656	851	663	480	375
Gary, Ind.	8,728	6,723	3,997	379	102	190	60	58
Grand Haven, Mich.	589	444	365	242	715	543	447	595
Green Bay, Wis.	1,474	1,510	1,374	1,197	311	299	6	18
Huron, Ohio	1,315	1,005	489	205	781	903	828	560
Indiana Harbor, Ind.	6,189	5,211	3,012	838	1,302	1,294	1,406	1,478
Kewaunee, Wis.	302	221	168	151	269	239	207	149
Keweenaw Waterway, Mich.	825	803	493	97	40	22	18	18
Lorain, Ohio	4,804	3,422	2,266	772	2,328	2,028	1,468	981
Ludington, Mich.	1,038	862	222	540	1,634	1,351	1,541	872
Manistique, Mich.	109	123	88	50	156	151	85	61
Manitowoc, Wis.	1,553	1,308	1,083	801	797	606	503	514
Marquette Harbor, Mich.	180	193	162	99	981	617	450	137
Marquette Bay, Mich.	—	1	—	—	4,016	2,706	1,372	200
Menominee, Mich. and Wis.	568	454	409	338	254	196	173	108
Milwaukee, Wis.	6,698	6,122	4,840	4,185	1,866	1,581	1,682	1,044
Muskegon, Mich.	523	535	583	285	449	134	94	313
Ogdensburg, N. Y.	529	508	404	409	687	562	460	323
Rockport, Mich.	17	9	5	6	1,790	1,092	519	168
Rouge River, Mich.	5,725	4,472	3,270	2,149	187	404	420	483
Saginaw River, Mich.	563	1,014	738	441	56	96	312	366
Sandusky, Ohio	63	50	41	62	9,710	7,961	6,498	4,644
Sault Ste. Marie, Mich.	821	760	494	320	2	(?)	(?)	1
Sheboygan, Wis.	431	418	368	468	10	7	11	12
Sturgeon Bay, Wis.	25	26	27	23	1,038	763	210	198
Toledo, Ohio	3,538	3,563	1,439	1,035	16,179	15,970	13,133	9,697
Wyandotte, Mich.	1,759	1,577	1,349	1,229	26	—	23	38
All other	4,540	3,632	2,070	1,916	2,652	2,523	2,199	1,344

¹ Includes Chicago Harbor, Chicago River and Calumet Harbor

² Less than 500 tons

Source: Annual Report of the Chief of Engineers, United States Army.

No. 433.—NEW YORK STATE CANALS: TONNAGE OF FREIGHT MOVED

NOTE.—In short tons of 2,000 pounds. Tonnage handled over State terminals but not moved through any portion of the canal channels is not included

Yearly average	All canals	Erie division	Yearly average or year	All canals	Erie division			
					Total freight	Grain	Sand, gravel, stone	Petroleum
1837-1840	1,339,016	771,741	1911-1915	2,448,837	1,626,451	—	—	—
1841-1845	1,613,317	884,522	1916-1920	1,348,365	798,706	—	—	—
1846-1850	2,781,410	1,556,696	1921-1925	1,905,291	1,548,408	630,453	333,250	191,406
1851-1855	3,976,501	2,141,476	1926-1930	2,904,575	2,397,042	933,602	282,649	397,328
1856-1860	3,911,407	1,889,759	1925	2,344,013	1,945,466	916,441	339,713	262,331
1861-1865	5,049,341	2,743,929	1926	2,369,367	1,935,278	795,598	287,189	263,202
1866-1870	5,987,724	3,018,359	1927	2,581,892	2,047,774	791,037	325,076	327,616
1871-1875	5,974,097	3,326,073	1928	3,089,998	2,535,684	1,118,788	307,642	343,593
1876-1880	5,219,888	3,542,020	1929	2,876,160	2,422,204	810,385	229,047	398,831
1881-1885	5,210,389	3,495,590	1930	3,605,457	3,044,271	1,152,200	264,292	653,399
1886-1890	5,281,441	3,589,631	1931	3,722,012	3,277,936	1,149,471	202,978	781,867
1891-1895	4,112,061	2,962,528	1932	3,643,433	3,186,094	1,039,698	130,674	880,095
1896-1900	3,544,951	2,446,065	1933	4,074,002	3,574,951	705,950	94,182	1,239,632
1901-1905	3,335,210	2,144,492						
1906-1910	3,238,129	2,206,595						

Source: Commissioner of Canals and Waterways, Department of Public Works, State of New York.

No. 434.—ST. MARYS FALLS CANAL (SAULT STE. MARIE): GENERAL TRAFFIC STATISTICS

NOTE.—Includes both American and Canadian canals and traffic to and from Canadian as well as American ports. Average distances, ton-miles, freight charges, etc., are based on total haul from port of origin to port of destination in process of performance by vessels passing through the canals

Season	Freight carried (1,000 short tons of 2,000 pounds)					Total ton-miles (mil-lions)	Freight charges		Valua-tion of freight (mil-lions of dollars)
	Total	East-bound	West-bound	By Ameri-can vessels	By Cana-dian and other foreign vessels		Amount (1,000 dollars)	Average per ton per mile (mills)	
1890	9,041	6,429	2,612	8,679	362	7,207	9,472	1.30	102
1895	15,063	12,030	3,033	14,497	566	12,503	14,239	1.14	160
1900	25,643	20,532	5,111	24,896	747	21,179	24,953	1.18	267
1905	44,271	36,779	7,492	42,061	2,210	36,893	31,421	.85	417
1910	62,363	47,134	15,229	58,569	3,794	52,406	38,711	.74	654
1915	71,290	56,369	14,921	66,877	4,413	59,317	41,984	.71	882
1919	68,236	52,832	15,404	63,408	4,828	55,612	58,479	1.05	915
1920	79,282	63,464	15,818	74,866	4,416	64,702	85,742	1.33	1,120
1921	48,259	32,113	16,146	43,016	5,243	38,043	43,344	1.14	746
1922	66,067	55,020	11,047	60,812	5,255	53,564	64,154	1.20	957
1923	91,380	71,236	20,144	83,795	7,585	73,218	80,843	1.10	1,026
1924	72,037	56,840	15,197	65,447	6,590	58,579	59,769	1.02	1,080
1925	81,875	67,305	14,570	75,764	6,111	65,577	77,093	1.08	1,118
1926	85,679	69,530	16,149	78,006	7,673	69,360	78,517	1.13	1,064
1927	83,354	64,393	18,961	76,091	7,264	67,387	69,331	1.03	1,132
1928	86,993	70,166	16,827	78,072	8,921	70,259	81,281	1.16	1,183
1929	92,622	74,840	17,782	85,839	6,783	74,881	80,268	1.07	1,000
1930	72,898	57,067	15,831	67,560	5,338	59,058	61,159	1.01	761
1931	44,614	32,687	11,927	38,554	6,060	36,342	37,030	1.02	522
1932	20,481	11,822	8,659	14,274	6,207	17,091	16,063	.94	355
1933	40,308	30,544	9,764	33,967	6,340	33,139	33,807	1.02	534

	1910	1915	1920	1925	1930	1932	1933
Passengers carried.....number..	66,933	50,336	68,451	56,956	45,303	20,241	20,943
Freight, eastbound.....1,000 tons..	47,134	56,369	63,464	67,305	57,067	11,822	30,544
Flour.....1,000 bbls..	7,676	8,437	7,478	9,289	8,532	7,116	7,119
Wheat.....1,000 bus..	80,260	255,482	143,456	292,818	243,927	207,224	198,698
Other grain.....do..	39,243	64,755	51,630	149,927	55,434	39,616	39,821
Lumber.....1,000 ft. b. m..	603,101	456,451	192,854	186,486	150,986	77,664	142,322
Iron ore.....1,000 short tons..	41,600	45,212	56,643	53,821	46,990	3,607	22,226
All other.....do.....	380	506	176	222	351	217	478
Freight, westbound.....1,000 tons..	15,229	14,921	15,818	14,570	15,831	8,659	9,764
Coal.....do.....	13,514	13,357	14,156	12,874	14,059	7,375	8,266
All other.....do.....	1,715	1,564	1,662	1,696	1,772	1,284	1,498

No. 435.—OHIO RIVER TRAFFIC. TONNAGE, TON-MILEAGE, AND FREIGHT

NOTE.—Figures exclude ferry traffic. In 1932 the tons of freight carried on ferries were reported as 1,389,488 but the hauls, of course, are very short. The passengers carried other than on ferries for 1932 were 1,199,726. Leaders indicate data not available.

Year	Freight carried	Ton-miles	Value of freight	Year	Freight carried	Ton-miles	Value of freight
	1,000 short tons	Thousands	1,000 dollars		1,000 short tons	Thousands	1,000 dollars
1920.....	9,382	1,183,915	223,443	1931—Total.....	18,071	1,496,445	186,987
1921.....	7,308	844,895	93,275	Up.....	2,529	-----	19,083
1922.....	6,292	807,793	144,796	Down.....	5,142	-----	31,169
1923.....	8,281	-----	110,022	Inbound.....	7,221	-----	57,097
1924.....	10,867	-----	128,356	Outbound.....	3,180	-----	59,639
1925.....	15,737	825,497	151,622	1932—Total.....	14,317	1,392,229	153,757
1926.....	19,755	-----	150,086	Up.....	1,857	-----	26,394
1927.....	20,129	1,214,491	168,423	Down.....	4,315	-----	26,955
1928.....	20,938	1,344,687	191,519	Inbound.....	6,080	-----	59,917
1929.....	21,955	1,512,585	192,308	Outbound.....	2,065	-----	40,491
1930.....	22,337	1,473,927	188,245				

Source of Tables 434 and 435. Annual Report of the Chief of Engineers, United States Army.

No. 436.—LOWER MISSISSIPPI RIVER TRAFFIC: FREIGHT BY SECTIONS, AND PETROLEUM AT BATON ROUGE

NOTE.—In short tons of 2,000 pounds. Each section of the river is treated separately and some of the traffic of each is duplicated in others. The section "Between Ohio and Illinois Rivers" for 1923 to 1927 was reported as "Between Ohio and Missouri Rivers." Ferry traffic is not included.

Year	Between Ohio and Illinois Rivers		Cairo to Memphis		Memphis to Vicksburg		Vicksburg to New Orleans		Petroleum, Baton Rouge	
	Up-bound	Down-bound	Up-bound	Down-bound	Up-bound	Down-bound	Up-bound	Down-bound	Up-bound to	Down-bound from
1923.....	263,729	450,339	395,828	652,494	724,953	727,884	1,583,880	3,909,417	746,381	2,614,074
1924.....	300,009	438,719	528,431	624,590	917,475	748,965	1,589,202	6,044,075	766,463	3,872,316
1925.....	420,246	583,323	651,002	1,037,652	1,391,234	1,821,025	1,363,254	7,738,396	467,616	5,359,639
1926.....	420,379	585,600	732,729	927,459	1,165,142	3,627,638	1,462,325	9,612,163	529,690	6,116,517
1927.....	448,439	659,743	839,718	1,304,599	1,371,134	2,986,963	1,727,352	7,089,393	354,117	4,447,025
1928.....	474,173	956,010	855,631	1,675,625	1,856,842	2,946,998	1,680,541	6,974,085	379,942	4,601,718
1929.....	309,986	581,770	699,019	1,629,315	1,362,443	1,472,617	1,530,519	6,196,864	466,521	3,830,807
1930.....	341,158	585,799	726,417	2,104,930	940,015	1,428,553	2,540,936	6,636,769	206,187	3,566,642
1931.....	467,685	835,349	1,277,699	2,558,516	1,040,689	1,362,837	2,453,457	6,335,923	130,849	3,081,823
1932.....	608,982	968,408	1,140,997	1,764,265	2,200,004	2,574,598	2,589,318	5,893,243	187,693	3,695,935

	Between Ohio and Illinois Rivers		Cairo to Memphis		Memphis to Vicksburg		Vicksburg to New Orleans	
	1931	1932	1931	1932	1931	1932	1931	1932
Upbound.....	467,685	608,982	1,277,699	1,140,997	1,040,689	2,200,004	2,453,457	2,589,318
Coffee.....	25,988	26,424	34,277	39,682	44,766	47,676	46,786	49,642
Sugar.....	98,810	118,955	294,640	340,844	349,500	417,633	383,127	449,404
Sisal.....	25,366	46,969	28,486	49,555	28,486	49,462	28,496	49,642
Burlap and bagging.....	19,145	19,719	21,861	20,009	26,580	24,211	27,640	25,369
Logs, barged.....	.....	2,174	24,950	15,650	81,127	8,258	11,905	3,962
Petroleum and products.....	1,273	1,545	38,263	214,654	67,577	552,903	1,669,772	1,661,354
Receipts at Baton Rouge.....	.....	.....	.....	.....	.....	.....	310,849	187,693
Shipments from Baton Rouge.....	.....	.....	.....	.....	.....	.....	114,608	614,099
Gravel and sand.....	2,400	1,378	231,060	8,060	43,660	269,750	.....	443
Cement.....	3,584	39,754	10,348	1,067	129	40,500	180	13,833
Concrete.....	.....	.....	220,782	111,993	53,918	432,048	16,095	22,294
Bauxite ore.....	3,240	11,681	3,240	11,681	3,240	11,681	3,240	11,681
Sulphur.....	19,813	28,147	48,376	41,471	45,826	43,798	45,866	43,801
All other.....	268,066	312,236	321,416	286,331	295,880	301,904	219,907	258,336
Downbound.....	835,349	968,408	2,558,516	1,764,265	1,362,837	2,574,598	6,335,923	5,893,243
Wheat.....	129,414	31,241	129,424	29,313	139,474	30,810	139,474	30,810
Corn.....	7,256	131,353	9,754	157,803	9,724	157,803	9,743	160,352
Fruits and vegetables.....	16,883	32,104	48,864	75,459	39,186	64,297	34,864	59,657
Tobacco.....	.....	25	2,961	9,440	13,507	28,398	13,537	27,988
Cotton, raw.....	14	42	3,588	23,795	92,708	153,609	202,483	271,080
Logs barged.....	957	482	103,694	5,500	42,561	.....	8,345	23,373
Logs, rafted or floated.....	15,929	1,207	77,409	62,284	72,888	63,445	98,145	39,072
Coal and coke.....	24,898	14,073	149,505	108,492	28,194	41,785	1,105	475
Petroleum and products.....	11,361	23,884	4,459	7,942	12,943	442,795	5,534,645	4,926,004
Receipts at Baton Rouge.....	.....	.....	.....	.....	.....	.....	619,397	457,061
Shipments from Baton Rouge.....	.....	.....	.....	.....	.....	.....	3,681,823	3,695,935
Stone.....	317,095	394,803	397,506	148,962	96,887	204,894	3,010	2,650
Gravel and sand.....	5,900	2,067	452,280	245,271	324,139	266,213	26,336	7,618
Cement.....	131,349	112,087	153,888	62,480	13,930	172,835	1,395	12,079
Concrete.....	.....	.....	339,198	244,911	147,531	504,451	.....	22,022
Iron and steel products.....	40,225	31,350	383,741	249,632	105,370	75,858	90,489	63,122
Machinery.....	4,121	7,875	63,930	38,154	42,397	32,337	9,702	13,776
All other.....	129,947	185,815	238,315	294,827	181,398	335,068	162,650	233,165

Source. Annual Report of the Chief of Engineers, United States Army.

No. 437.—UNITED STATES MERCHANT MARINE: DOCUMENTED TONNAGE

NOTE.—For definition of "gross ton" see general note, p. 378 All data after 1840 are as of June 30

Year	Number			Thousands of gross tons			Tonnage (thousands of gross tons) employed in—			
	Total	Steam and motor	All other ¹	Total	Steam and motor	All other ¹	Foreign trade	Coast-wise and internal trade	Whale fisheries	Cod and mackerel fisheries
1789 ¹	-----	-----	-----	202	-----	202	124	69	-----	9
1800 ¹	-----	-----	-----	972	-----	972	667	272	3	29
1810 ¹	-----	-----	-----	1,425	-----	1,425	981	405	4	35
1820 ¹	-----	-----	-----	1,280	-----	1,280	584	558	36	72
1830 ¹	-----	-----	-----	1,192	64	1,127	538	517	40	98
1840 ¹	-----	-----	-----	2,181	202	1,978	763	1,177	137	104
1850 ¹	-----	-----	-----	3,535	526	3,010	1,440	1,798	146	152
1860 ¹	-----	-----	-----	5,354	868	4,486	2,379	2,645	167	163
1870 ¹	28,958	3,524	25,474	4,217	1,075	3,171	1,449	2,638	68	91
1880 ¹	24,712	4,717	19,995	4,008	1,212	2,856	1,314	2,638	38	78
1890 ¹	23,467	5,965	17,502	4,424	1,859	2,565	928	3,409	19	68
1900 ¹	23,333	7,053	16,280	5,165	2,658	2,507	817	4,287	10	52
1910 ¹	25,740	12,452	13,288	7,508	4,900	2,608	783	6,669	9	47
1915 ¹	26,701	15,948	10,753	8,389	5,944	2,446	1,863	6,486	9	32
1920 ¹	28,183	18,814	9,369	10,324	13,823	2,501	9,925	6,358	4	38
1922 ¹	27,358	18,960	8,398	18,463	15,982	2,481	10,720	7,703	4	36
1923 ¹	27,017	18,946	8,071	18,285	15,821	2,463	9,069	9,177	4	35
1924 ¹	26,575	18,750	7,825	17,741	15,315	2,425	8,794	8,911	3	32
1925 ¹	26,367	18,637	7,730	17,406	14,976	2,430	8,151	9,216	4	35
1926 ¹	26,343	18,689	7,654	17,311	14,848	2,463	7,719	9,552	3	38
1927 ¹	25,778	18,384	7,394	16,888	14,507	2,381	7,309	9,533	8	38
1928 ¹	25,385	18,270	7,115	16,683	14,347	2,336	6,934	9,706	7	36
1929 ¹	25,326	18,319	7,007	16,477	14,162	2,315	6,906	9,526	7	39
1930 ¹	25,214	18,211	7,003	16,068	13,757	2,311	6,296	9,723	7	42
1931 ¹	25,471	18,236	7,235	15,908	13,528	2,380	5,576	10,286	7	40
1932 ¹	25,156	18,224	6,932	15,839	13,568	2,271	5,071	10,728	2	38
1933 ¹	24,868	18,182	6,686	15,060	12,862	2,198	4,701	10,313	9	37

Classes	Number					Thousands of gross tons				
	1910	1920	1930	1932	1933	1910	1920	1930	1932	1933
By utilization:										
Registered—										
Foreign trade	1,490	5,932	4,175	3,866	3,888	783	9,925	6,296	5,071	4,701
Whale fisheries	36	26	14	12	14	9	4	7	2	9
Enrolled—										
Coasting and internal trade	13,654	12,181	12,497	12,726	12,278	6,555	6,233	9,608	10,612	10,195
Cod and mackerel fisheries	395	196	261	247	238	39	32	36	32	31
Licensed—										
Coasting and internal trade	9,328	9,463	8,004	8,056	8,210	114	124	115	116	118
Cod and mackerel fisheries	837	385	263	249	240	8	6	6	6	6
By location:										
Atlantic and Gulf ⁵	17,084	16,850	14,321	14,377	14,301	3,523	9,739	9,904	10,678	10,106
Pacific ⁶	3,574	6,512	6,466	6,533	6,462	937	3,326	3,227	3,115	2,970
Northern lakes	3,273	3,091	2,450	2,272	2,209	2,895	3,139	2,758	1,857	1,814
Western rivers	1,809	1,730	1,977	1,974	1,896	154	120	178	189	170
By power:										
Sail	8,947	4,030	1,584	1,342	1,227	1,655	1,272	757	625	563
Steam ⁷	12,452	8,103	6,087	5,776	5,476	4,900	13,466	12,775	12,499	11,788
Motor ⁷	-----	10,711	12,124	12,448	12,706	-----	357	982	1,069	1,075
Canal boats	674	448	226	176	166	74	52	29	23	22
Barges	3,667	4,891	5,193	5,414	5,293	878	1,177	1,525	1,623	1,613
By material:										
Wood	23,527	23,781	20,211	20,069	19,923	3,391	3,876	2,554	2,417	2,324
Metal	2,213	4,402	5,003	5,087	4,945	4,117	12,448	13,514	13,421	12,736

¹ Sailing vessels, canal boats, and barges.² Dec 31.³ The decrease of tonnage arises principally from the registered tonnage having been corrected in 1818, 1820, and 1830 by striking off all vessels the registers of which were granted prior to 1815, which were supposed by the collectors to have been lost at sea, captured, etc.⁴ Sept. 30.⁵ Including Puerto Rico in all years shown and Virgin Islands beginning 1920.⁶ Including Hawaii and Alaska.⁷ Motor vessels included in steam in 1910.

Source: Reports of the Commissioner of Navigation.

No. 438.—VESSELS BUILT IN THE UNITED STATES AND DOCUMENTED FOR AMERICAN SHIPOWNERS

Yearly average or year ¹	Number	Gross tons	Year ¹	Number	Gross tons
1797-1800.....		72, 574	1915.....	1, 157	225, 122
1801-1810.....		² 102, 452	1916.....	937	325, 413
1811-1820.....		89, 797	1917.....	1, 297	664, 479
1821-1830.....	790	89, 372	1918.....	1, 528	1, 300, 868
1831-1840 ³	³ 945	³ 121, 713	1919.....	1, 953	3, 326, 621
1841-1850 ⁴	⁴ 1, 215	⁴ 188, 713	1920.....	2, 067	3, 880, 639
1851-1860.....	1, 464	365, 864	1921.....	1, 361	2, 265, 115
1861-1870.....	1, 657	300, 881	1922.....	845	661, 232
1871-1880.....	1, 454	253, 801	1923.....	770	335, 791
1881-1890.....	1, 056	220, 198	1924.....	1, 049	223, 968
1891-1900.....	1, 055	235, 699	1925.....	967	199, 846
1901-1910.....	1, 311	418, 178	1926.....	924	224, 673
1911-1920.....	1, 449	1, 090, 938	1927.....	917	245, 141
1921-1925.....	998	737, 190	1928.....	989	257, 180
1926-1930.....	928	222, 054	1929.....	808	128, 976
1910.....	1, 361	342, 068	1930.....	1, 020	254, 296
1911.....	1, 422	291, 162	1931.....	1, 302	386, 906
1912.....	1, 605	232, 669	1932.....	722	212, 892
1913.....	1, 475	346, 165	1933.....	642	190, 803
1914.....	1, 151	316, 250			

¹ Years ended Dec 31 from 1797 to 1834, Sept. 30 from 1835 to 1842, June 30 beginning with 1843

² Nine-year average, there being no record of the tonnage for 1802

³ Average for period Jan. 1, 1831, to Sept. 30, 1840.

⁴ Average for period Oct. 1, 1840, to June 30, 1850.

Source: Reports of the Commissioner of Navigation

No. 439.—VESSELS BUILT IN UNITED STATES AND DOCUMENTED FOR AMERICAN SHIPOWNERS: BY CLASSES AND REGION

NOTE.—For definition of "gross ton" see general note p 378. Data are for years ended June 30

Class and where built	1901-1910, average	1911-1915, average	1916-1920, average	1921-1925, average	1926-1930, average	1931	1932	1933
Total.....number.....	1, 311	1, 342	1, 556	998	828	1, 302	722	642
Gross tons.....	418, 178	282, 272	1, 899, 604	737, 190	222, 054	386, 906	212, 892	190, 803
Sailing.....number.....	300	70	82	38	9	4	2	3
Gross tons.....	59, 857	16, 339	70, 599	27, 685	365	52	18	46
Steam and motor.....number.....	681	911	1, 111	697	646	682	523	539
Gross tons.....	287, 593	200, 669	1, 734, 296	639, 341	148, 737	212, 996	164, 620	168, 488
Canal boats.....number.....	46	36	19	9	5	1		
Gross tons.....	5, 022	4, 099	2, 613	1, 043	952	258		
Barges.....number.....	284	325	344	254	268	615	197	100
Gross tons.....	65, 705	61, 164	92, 096	69, 121	71, 999	173, 600	48, 254	22, 269
Metal.....gross tons.....	270, 852	181, 166	1, 511, 043	631, 109	151, 808	212, 203	174, 794	163, 148
Wood.....do.....	147, 326	101, 106	388, 561	106, 081	70, 246	174, 703	38, 098	27, 655
Gross tons built on:								
New England coast.....	59, 491	21, 474	112, 835	45, 913	10, 874	26, 639	52, 163	25, 851
Middle Atlantic and Gulf coasts.....	130, 226	149, 941	833, 438	442, 721	123, 600	287, 884	133, 625	151, 823
Pacific coast.....	34, 482	34, 439	687, 076	174, 926	28, 612	9, 741	9, 741	3, 919
Northern lakes.....	184, 724	69, 794	260, 138	58, 317	45, 292	19, 535	11, 813	2, 044
Western rivers.....	9, 256	6, 623	6, 117	15, 313	13, 676	11, 600	5, 550	7, 166

Source: Reports of the Commissioner of Navigation.

No. 440.—MERCHANT VESSELS LAUNCHED: WORLD TOTAL AND UNITED STATES

NOTE.—Vessels of 100 gross tons and over. For definition of "gross ton" see general note, p 378. Vessels under construction Dec 31, 1933, numbered 206 of 757,277 gross tons

Calendar year	World				United States	
	Total		Steam and motor			
	Number	Gross tons	Number	Gross tons	Number	Gross tons
1910-1914, average.....	1,533	2,739,079	1,180	2,631,779	162	252,864
1915-1920, average ¹	1,488	4,046,860	1,296	3,918,746	518	1,877,382
1921-1925, average.....	942	2,581,653	830	2,531,592	99	315,114
1926-1930, average.....	873	2,468,515	808	2,427,929	74	158,788
1922.....	852	2,467,084	745	2,425,720	59	119,138
1923.....	701	1,643,181	620	1,614,790	83	172,817
1924.....	924	2,247,751	838	2,200,741	79	139,463
1925.....	855	2,193,404	742	2,142,325	101	128,776
1926.....	600	1,674,977	525	1,630,134	78	150,613
1927.....	802	2,285,679	734	2,239,522	66	179,218
1928.....	869	2,699,239	809	2,660,321	63	91,857
1929.....	1,012	2,783,210	981	2,774,191	63	126,063
1930.....	1,084	2,889,472	991	2,835,476	100	246,687
1931.....	596	1,617,115	569	1,603,551	57	205,865
1932.....	307	726,591	295	724,287	18	143,559
1933.....	330	489,016	311	479,559	14	10,771

¹ Figures during the war period are shown only for allied and neutral countries.

Source: Lloyd's Register of Shipping.

No. 441.—MERCHANT MARINE OF THE WORLD AND THE UNITED STATES

NOTE.—Vessels of 100 tons and over. Prior to 1919 tonnage figures are gross for steamers and net for sailing vessels, thereafter gross for both. Wooden vessels on the Great Lakes and vessels on the Caspian Sea are not included. Japanese sailing vessels and most sailing vessels belonging to Greece, Turkey, and southern Russia are not included. Figures for Philippine Islands are included with United States beginning with 1910. See general note, p 378.

Year	World total	United States	Year	World total	United States	Year	World total	United States			
	1,000 tons	1,000 tons		1,000 tons	1,000 tons		1,000 tons	1,000 tons			
1895.....	25,086	2,165	1920.....	57,314	16,049	1929.....	68,074	14,482			
1900.....	22,008	26,513	1925.....	64,641	15,377	1930.....	69,608	14,046			
1905.....	28,957	2,750	1926.....	64,784	14,879	1931.....	70,131	13,642			
1910.....	35,998	3,996	1927.....	65,193	14,670	1932.....	69,734	13,547			
1915.....	41,913	5,059	1928.....	66,955	14,633	1933.....	67,920	13,558			
	49,262	5,893									
			Number			Thousands of tons (see headnote)					
	1910	1920	1930	1932	1933	1910	1914	1920	1930	1932	1933
World total.....	30,058	31,595	32,713	32,247	31,700	41,915	49,090	57,314	69,608	69,734	67,920
Steam and motor.....	22,008	26,513	29,996	29,932	29,515	37,291	45,404	53,905	68,024	68,368	66,628
Steel and iron.....	20,403	23,382	27,595	27,635	27,181	36,769	44,934	51,661	67,304	67,737	66,033
Wood and composite.....	1,605	3,131	2,401	2,297	2,334	521	470	2,244	720	631	595
Sailing.....	8,050	5,082	2,717	2,315	2,185	4,624	3,686	3,409	1,584	1,366	1,293
Steel and iron.....	2,115	1,314	742	727	723	2,508	2,095	1,524	654	608	590
Wood and composite.....	5,935	3,768	1,975	1,588	1,462	2,116	1,590	1,885	930	758	703
United States.....	3,469	5,457	4,223	3,948	3,845	5,059	5,388	16,049	14,048	13,547	13,558
Steam and motor.....	1,712	4,110	3,517	3,351	3,287	3,827	4,330	14,574	13,202	12,820	12,660
Steel and iron.....	1,270	3,242	3,001	2,906	2,878	3,602	4,120	13,341	12,914	12,687	12,467
Wood and composite.....	442	868	516	445	409	226	210	1,234	288	233	194
Sailing.....	1,757	1,347	706	595	558	1,232	1,038	1,475	844	726	698
Steel and iron.....	139	154	147	140	142	245	236	304	288	272	273
Wood and composite.....	1,618	1,193	559	455	416	987	803	1,171	556	454	424

No. 442.—COMMERCIAL TRAFFIC THROUGH THE PANAMA CANAL: By NATIONALITY OF VESSEL

NOTE —See general note, p 378. Net tonnage is according to Panama Canal measurement

Nationality and year ended June 30	Number of vessels	Net tonnage (thousands)	Tolls (thousands of dollars)	Tons of cargo (thousands)	Nationality and year ended June 30	Number of vessels	Net tonnage (thousands)	Tolls (thousands of dollars)	Tons of cargo (thousands)
Total traffic.					Japanese				
1915-1933, total.	73, 960	338, 194	312, 484	339, 048	1931.....	193	1, 020	1, 052	1, 105
1918.....	2, 069	6, 574	6, 439	7, 532	1932.....	179	980	992	1, 032
1919.....	2, 024	6, 125	6, 173	6, 917	1933.....	217	1, 180	1, 154	1, 160
1920.....	2, 478	8, 546	8, 514	9, 374	Chilean.				
1921.....	2, 892	11, 416	11, 277	11, 599	1931.....	42	171	167	99
1922.....	2, 736	11, 417	11, 198	10, 885	1932.....	5	9	8	6
1923.....	3, 967	18, 606	17, 508	19, 568	1933.....	7	27	23	28
1924.....	5, 230	26, 149	24, 291	26, 995	Danish				
1925.....	4, 673	22, 855	21, 401	23, 959	1931.....	120	611	520	606
1926.....	5, 197	24, 775	22, 931	26, 037	1932.....	105	561	472	521
1927.....	5, 475	26, 228	24, 229	27, 748	1933.....	113	531	423	449
1928.....	6, 456	29, 459	26, 044	29, 631	Dutch:				
1929.....	6, 413	29, 838	27, 127	30, 663	1931.....	125	579	473	478
1930.....	6, 185	29, 981	27, 077	30, 030	1932.....	117	553	449	441
1931.....	5, 529	27, 792	24, 645	25, 083	1933.....	80	500	414	381
1932.....	4, 506	23, 625	20, 707	19, 808	Danzig				
1933.....	4, 494	22, 822	19, 620	18, 178	1931.....	27	185	165	186
United States:					1932.....	33	244	217	239
1915-1933, total.	32, 603	161, 050	149, 259	165, 225	1933.....	44	344	305	348
1918.....	567	1, 704	1, 714	2, 098	French.				
1919.....	784	2, 257	2, 327	2, 750	1931.....	110	610	523	508
1920.....	1, 129	3, 791	3, 806	4, 547	1932.....	81	455	372	339
1921.....	1, 210	4, 862	4, 785	5, 163	1933.....	66	382	305	249
1922.....	1, 095	4, 972	4, 867	4, 951	Swedish:				
1923.....	1, 994	10, 209	9, 474	11, 055	1931.....	111	528	425	722
1924.....	2, 947	15, 807	14, 483	16, 654	1932.....	114	539	435	761
1925.....	2, 326	12, 271	11, 302	13, 080	1933.....	88	423	321	403
1926.....	2, 432	12, 565	11, 540	13, 712	Spanish.				
1927.....	2, 685	13, 915	12, 720	15, 242	1931.....	9	23	22	27
1928.....	2, 753	13, 753	12, 646	14, 249	1932.....	2	8	7	8
1929.....	2, 700	13, 326	12, 300	14, 076	1933.....				
1930.....	2, 885	14, 534	13, 221	14, 499	Italian:				
1931.....	2, 417	12, 602	11, 426	11, 805	1931.....	67	468	405	237
1932.....	1, 917	10, 791	9, 749	8, 835	1932.....	67	479	414	215
1933.....	1, 686	10, 099	8, 934	7, 988	1933.....	52	395	317	189
British:					German				
1931.....	1, 390	7, 518	6, 581	5, 971	1931.....	369	1, 412	1, 204	1, 262
1932.....	1, 054	5, 906	5, 072	4, 638	1932.....	338	1, 281	1, 073	1, 079
1933.....	1, 039	5, 660	4, 814	4, 171	1933.....	325	1, 011	823	813
Norwegian.					Miscellaneous				
1931.....	363	1, 749	1, 404	1, 720	1931.....	186	316	278	357
1932.....	311	1, 530	1, 215	1, 427	1932.....	183	287	232	267
1933.....	407	2, 014	1, 571	1, 773	1933.....	370	257	214	225

No. 443.—COMMERCIAL TRAFFIC THROUGH PANAMA CANAL: By DIRECTION

NOTE —A to P=Atlantic to Pacific, P to A=Pacific to Atlantic. See also general note, p 378

Years ended June 30—	Number of vessels	Thousands of gross tons	Thousands of net tons ¹	Thousands of cargo tons		
				Total	A to P	P to A
1919.....	2, 024	7, 877	6, 125	6, 917	2, 740	4, 176
1920.....	2, 478	11, 060	8, 546	9, 374	4, 093	5, 282
1921.....	2, 892	14, 522	11, 416	11, 599	5, 892	5, 707
1922.....	2, 736	14, 361	11, 417	10, 885	5, 496	5, 389
1923.....	3, 967	23, 633	18, 606	19, 568	7, 086	12, 482
1924.....	5, 230	33, 412	26, 149	26, 995	7, 860	19, 135
1925.....	4, 673	29, 145	22, 855	23, 959	7, 398	16, 560
1926.....	5, 197	31, 673	24, 775	26, 037	8, 037	18, 000
1927.....	5, 475	33, 566	26, 228	27, 748	8, 583	19, 165
1928.....	6, 456	37, 203	29, 459	29, 631	8, 310	21, 321
1929.....	6, 413	37, 465	29, 838	30, 663	9, 883	20, 780
1930.....	6, 185	37, 431	29, 981	30, 030	9, 476	20, 555
1931.....	5, 529	34, 233	27, 792	25, 083	6, 680	18, 402
1932.....	4, 506	28, 771	23, 625	19, 808	5, 635	14, 173
1933.....	4, 494	27, 185	22, 822	18, 178	4, 512	13, 666

¹ Panama Canal measurement.

Source of Tables 442 and 443: Report of the Governor of the Panama Canal.

No. 444.—EXPENSES AND REVENUES OF THE PANAMA CANAL

Year ended June 30—	Transit operations				Business operations			
	Tolls	Taxes, licenses, fines, etc	Total transit revenues	Net canal transit expenses	Net revenues (surplus)	Business revenues	Business expenses	Net revenues (surplus)
1919.....	\$6,156,119	\$197,898	\$6,354,017	\$6,112,195	\$241,822	\$13,684,881	\$13,623,851	\$61,027
1920.....	8,493,083	442,789	8,935,872	6,548,272	2,387,599	14,705,372	14,465,686	239,686
1921.....	11,261,919	778,197	12,040,117	9,328,300	2,711,817	15,232,317	14,668,106	564,211
Total, 1914 to 1921 ¹	44,565,501	1,901,291	46,466,792	45,986,067	480,725	70,840,125	69,970,538	869,587
Adjusted status to 1921 ¹	44,565,501	1,420,566	45,986,067	45,986,067	—	71,459,710	70,359,409	1,100,310
1922.....	11,193,383	192,209	11,385,592	7,919,018	3,466,575	7,747,228	7,423,968	323,259
1923.....	17,507,631	184,214	17,691,844	7,690,778	10,001,067	10,872,843	9,732,201	1,140,643
1924.....	24,289,603	392,251	24,681,854	8,373,905	16,307,949	12,968,777	12,067,163	901,624
1925.....	21,374,634	207,954	21,582,618	8,116,693	13,465,925	14,504,115	13,798,196	765,917
1926.....	22,927,456	217,680	23,145,137	7,963,468	15,181,668	15,874,478	15,033,168	841,310
1927.....	24,217,185	391,624	24,608,809	8,997,717	15,611,094	15,878,655	15,002,118	876,537
1928.....	26,943,513	232,533	27,176,046	8,951,201	18,224,845	16,929,247	16,192,528	736,719
1929.....	27,123,534	243,391	27,366,926	9,637,151	17,729,775	17,246,785	16,498,937	737,850
1930.....	27,077,117	349,255	27,426,373	9,343,921	18,082,452	19,865,895	19,104,921	760,972
1931.....	24,644,550	346,030	24,990,581	10,143,354	14,847,227	17,774,467	17,211,703	562,764
1932.....	20,706,568	327,444	21,034,013	9,839,212	11,194,801	17,530,215	16,973,119	557,095
1933.....	19,621,159	310,014	19,931,173	9,155,672	10,775,501	16,583,950	15,448,242	1,135,709
Grand total.....	312,191,866	4,815,165	317,007,031	152,148,155	164,858,876	255,288,386	244,845,657	10,440,710

¹ To and including 1921 "Net revenues from business operations" shown in last column are included in "Taxes, licenses, etc.," "Total transit revenues," and "Net revenues from transit operations," therefore the \$480,725 shown under the latter is the net revenue to June 30, 1921, from all operations. In the adjusted total this item is transferred to "Surplus from business operations" by deducting from the amount shown in this column \$379,862, which is added to "Business expenses." To "Business revenues," and to "Surplus from business operations," is also added \$619,585 interest on public works in Panama and Colon received prior to June 30, 1921, but not taken up as a canal revenue.

No. 445.—MARINE WRECKS AND CASUALTIES OCCURRING TO VESSELS OF THE UNITED STATES: BY REGIONS

NORZ.—The table covers all disasters involving damage or loss amounting to \$300 or more. The figures exclude some reports of casualties to United States vessels received after the closing of the report for the year which are not distributed by regions. Casualties to United States vessels in the Panama Canal Zone are not included in the table; data for 1933 are as follows: Vessels involved, 4, tonnage, 16,569, property loss, \$443,410, persons on board, 113, no loss of life.

Yearly average or year ended June 30—	Number of vessels		Vessel capacity— 1,000 tons		Losses—1,000 dollars		Persons on board		Lives lost
	Complete loss	Partial loss	Complete loss	Partial loss	To vessel	To cargo	Passen- gers	Crews	
Total:									
1905-1910.....	358	1,091	145	1,666	10,781	2,671	17,038	21,954	461
1911-1915.....	295	952	126	1,406	9,551	2,441	17,389	22,205	288
1916-1920.....	322	678	192	1,487	39,440	13,803	9,889	19,733	631
1921-1925.....	253	665	113	1,808	18,704	4,374	10,207	19,859	189
1926-1930.....	273	780	122	2,258	17,648	4,159	11,830	23,372	219
1931.....	220	445	54	1,378	12,153	1,816	7,019	15,520	139
1932.....	281	473	64	1,499	11,869	1,566	8,789	15,209	118
1933.....	243	515	63	1,657	9,658	736	4,765	16,273	142
Atlantic, Gulf, and Pacific coasts:									
1926-1930.....	167	451	56	1,162	9,233	1,783	6,600	12,541	116
1931.....	127	233	24	598	6,401	1,519	3,209	7,167	82
1932.....	174	284	45	766	7,413	939	5,754	7,698	60
1933.....	139	315	34	866	4,687	339	2,292	8,959	94
Great Lakes.									
1926-1930.....	20	90	15	315	2,433	318	1,433	2,388	31
1931.....	11	34	7	102	888	57	40	840	27
1932.....	16	23	4	707	707	4	57	472	2
1933.....	17	35	7	122	920	28	18	907	7
Rivers of the United States:									
1926-1930.....	54	103	5	224	1,542	110	1,548	2,414	14
1931.....	60	68	11	168	1,639	43	1,165	2,050	10
1932.....	67	74	11	179	1,788	104	94	1,730	33
1933.....	75	67	16	155	2,364	204	928	1,877	28
At sea and on foreign coasts[*]									
1926-1930.....	32	136	45	557	4,440	1,047	2,250	6,029	58
1931.....	22	110	12	509	3,224	197	2,605	5,463	20
1932.....	21	92	4	483	1,961	518	2,881	5,309	23
1933.....	12	98	6	514	1,678	165	1,527	4,530	13

Sources: Table 444, Report of the Governor of the Panama Canal, Table 445, U. S. Coast Guard, Treasury Department.

No. 446.—VESSELS CONTROLLED BY THE UNITED STATES SHIPPING BOARD MERCHANT FLEET CORPORATION: As of Dec. 31

NOTE.—For definition of deadweight tons see general note, p. 378. The number of tugs is shown under "All other" except as noted, there is no tonnage for these

Origin and class	1932	1933		Class	1932	1933	
	Dead-weight tons	Number	Dead-weight tons		Dead-weight tons	Number	Dead-weight tons
Grand total	3,071,610	2 285	2,425,734	Steel—Continued			
ORIGIN				Cargo and passenger...	42,024	4	42,024
Requisitioned steel.....	544,937	46	402,351	Refrigerators.....	70,277	9	61,665
Contract steel.....	2,379,926	218	1,890,866	All other.....	9,400	5	10,961
Contract wood or concrete.....		3		Wood, composite, and concrete.....		4	
Purchased.....	92,798	9	77,004	Active steel.....	858,697	54	453,831
Seized enemy.....	53,949	5	53,949	Cargo.....	858,697	51	453,831
All other.....		4	1,564	All other.....		3	
CLASS				Inactive steel.....	2,212,913	228	1,971,903
Steel.....	3,071,610	2 282	2,425,734	Cargo.....	2,100,612	214	1,863,650
Cargo (completed).....	2,949,909	264	2,308,081	Cargo and passenger.....	42,024	4	42,024
				Refrigerators.....	70,277	9	64,665
				All other.....		1	1,564

¹ Includes 1,032,924 deadweight tons, sold for scrapping, in process of delivery, also 65,236 deadweight tons returned to Board during year

² Includes 13 vessels of 105,605 deadweight tons transferred or returned to Board during year

³ Tugs

⁴ Includes 3 steel tugs

No. 447.—CARGO TONNAGE OF FOREIGN AND INTERCOASTAL COMMERCE

NOTE.—In thousands of cargo tons of 2,240 pounds. Coastwise trade other than from Atlantic and Gulf to Pacific and vice versa is not included

	Total United States ports ¹			Atlantic coast ports			Gulf coast ports		
	1930	1931	1932	1930	1931	1932	1930	1931	1932
Total commerce	111,053	87,567	70,441	56,473	45,340	35,354	20,590	16,742	14,599
Inbound.....	59,229	45,615	36,933	40,136	32,626	26,336	5,448	4,115	3,482
Outbound.....	60,868	49,228	39,247	16,337	12,714	9,018	15,142	12,627	11,117
With foreign countries ²	97,294	75,913	60,555	47,167	37,542	28,934	19,030	15,424	13,213
Imports.....	47,563	35,864	28,710	33,225	26,745	21,372	4,801	3,555	2,918
Exports.....	49,731	40,049	31,845	13,942	10,797	7,562	14,229	11,869	10,295
Intercoastal.....				8,050	6,448	4,929	994	827	810
Inbound.....	9,044	7,276	5,739	6,073	4,962	3,816	429	367	308
Outbound.....	9,044	7,276	5,739	1,977	1,486	1,113	565	460	502
With noncontiguous territories ⁴	4,715	4,378	4,147	1,256	1,350	1,491	566	491	576
Imports.....	2,622	2,475	2,484	838	919	1,148	218	193	256
Exports.....	2,093	1,903	1,663	418	431	343	348	298	320
	Pacific coast ports			Great Lakes ports			Ports in all territories and possessions ⁵		
Total commerce	26,807	21,750	17,391	16,227	11,011	8,836	6 8,156	6 7,363	6 6,941
Inbound.....	7,013	5,366	4,420	6,632	3,508	2,696	6 4,143	6 3,586	6 4,392
Outbound.....	19,794	16,384	12,972	9,595	7,503	6,139	6 4,013	6 3,777	6 2,549
With foreign countries ³	14,870	11,937	9,572	16,227	11,010	8,836	6 575	6 430	6 584
Imports.....	2,905	2,056	1,724	6,632	3,508	2,696	6 530	6 371	6 552
Exports.....	11,965	9,881	7,848	9,595	7,502	6,139	6 45	6 59	6 32
Intercoastal.....	9,044	7,276	5,739		1				
Inbound.....	2,542	1,947	1,615						
Outbound.....	6,502	5,329	4,124		1				
With noncontiguous territories ⁴	2,893	2,537	2,080						
Imports.....	1,596	1,363	1,081				1 7,581	1 6,933	1 6,357
Exports.....	1,327	1,174	1,000				1 3,613	1 3,215	1 3,840
							1 3,968	1 3,718	1 2,517

¹ Continental United States

² Duplication in intercoastal trade is eliminated.

³ In showing trade of Continental United States ports, Philippine Islands, Virgin Islands, and Canal Zone are included with foreign countries.

⁴ Alaska, Hawaii, Puerto Rico, Guam, Samoa

⁵ Territories and possessions named in notes 3 and 4.

⁶ Excluding trade with foreign countries of Canal Zone, Guam, Samoa, Virgin Islands, and Philippine Islands, data not available

Source of tables 446 and 447: United States Shipping Board Bureau, Department of Commerce.

No. 448.—CARGO TONNAGE OF WATER-BORNE IMPORTS AND EXPORTS

NOTE.—In thousands of cargo tons of 2,240 pounds. This and the following tables do not include cargoes (small in aggregate) carried by ships of less than 100 tons gross capacity

	Imports in vessels of—					Exports in vessels of—				
	Total	U. S. Shipping Board	Independent American	British	Other	Total	U. S. Shipping Board	Independent American	British	Other
Total:										
1921.....	33,185	4,835	18,620	9,730	48,640	7,329	11,228	30,083		
1922.....	44,682	5,269	22,665	8,600	8,148	42,502	6,644	10,205	14,109	11,544
1923.....	43,296	3,031	19,753	9,218	11,294	49,080	6,903	9,286	18,824	14,067
1924.....	40,899	2,663	19,630	8,406	10,200	52,261	6,663	11,653	18,867	15,078
1925.....	43,135	2,285	18,930	9,586	12,334	49,666	5,624	10,092	18,386	15,564
1926.....	44,686	2,388	18,217	10,702	12,879	68,140	5,591	12,510	28,269	22,749
1927.....	42,183	2,195	19,263	9,328	11,397	56,935	6,185	12,510	20,728	17,512
1928.....	47,395	2,063	22,124	10,591	12,617	58,829	5,071	14,217	21,147	18,930
1929.....	50,985	1,824	23,408	12,173	13,580	57,475	4,618	13,303	20,624	18,930
1930.....	47,562	1,429	23,394	10,451	12,289	49,731	3,236	11,678	17,210	17,607
1931.....	35,864	1,086	16,028	7,288	11,462	40,049	2,605	8,463	13,518	15,463
1932.....	28,710	633	12,691	5,940	9,446	31,845	1,698	6,449	10,712	12,985
1933.....	26,567	632	10,386	6,438	9,111	32,386	749	7,606	10,107	13,924
Per cent distribution										
1921.....	100 0	15	56	29	100 0	15	23	62		
1933.....	100 0	3	39	24	100 0	2	24	31	43	
Dry cargoes										
1921.....	15,823	2,173	6,177	7,473	42,660	6,604	9,561	26,495		
1922.....	27,962	2,724	8,253	7,531	9,454	39,592	6,713	7,104	13,985	11,790
1923.....	26,242	2,267	8,462	6,914	8,599	41,204	6,460	8,290	14,146	12,308
1924.....	30,352	2,077	9,662	8,064	10,519	39,295	5,467	6,592	14,387	12,852
1925.....	32,085	2,323	9,132	9,386	11,244	55,851	5,486	7,838	23,222	19,305
1926.....	30,740	2,027	10,351	8,165	10,167	43,416	5,988	8,617	15,440	13,364
1927.....	32,088	2,052	11,347	8,889	10,700	43,940	5,017	9,923	15,990	13,010
1928.....	34,318	1,817	11,018	10,013	11,470	42,698	4,610	9,664	15,827	12,597
1929.....	31,656	1,429	11,066	8,533	10,088	35,362	3,236	8,433	13,150	10,543
1930.....	28,094	1,086	7,294	5,740	8,974	28,202	2,605	6,173	10,533	8,891
1932.....	17,357	633	5,292	4,250	7,182	21,774	1,698	4,774	8,360	6,942
Per cent distribution.										
1921.....	100.0	14	39	47	100.0	15	23	62		
1932.....	100 0	4	31	24	100 0	8	22	38	32	
Tanker cargoes.										
1921.....	17,362	2,662	12,443	2,257	5,980	725	1,667	3,588		
1922.....	15,334	307	11,500	1,687	1,840	9,488	190	2,182	4,839	2,277
1923.....	14,657	396	11,168	1,492	1,601	11,057	203	3,363	4,721	2,710
1924.....	12,783	208	9,238	1,522	1,815	10,368	157	3,500	3,999	2,772
1925.....	12,601	565	9,085	1,316	1,635	12,289	105	3,693	5,047	3,444
1926.....	11,443	168	8,882	1,163	1,230	11,519	199	3,893	5,279	4,145
1927.....	14,407	11	10,777	1,702	1,917	14,889	54	4,294	5,157	5,389
1928.....	16,667	7	12,390	2,160	2,110	14,777	8	3,639	4,767	6,333
1929.....	15,907	-----	11,788	1,913	2,201	14,369	-----	3,245	4,060	7,064
1930.....	12,770	-----	8,734	1,548	2,488	11,847	-----	2,290	2,985	6,572
1932.....	11,353	-----	7,399	1,690	2,284	10,071	-----	1,675	2,353	6,043
Per cent distribution.										
1921.....	100 0	15	72	13	100 0	12	28	60		
1932.....	100 0	-----	65	15	100 0	-----	17	23	60	
North Atlantic ports										
1929.....	33,807	1,278	14,224	8,436	9,869	16,278	1,896	2,976	5,499	5,907
1930.....	31,477	1,013	13,896	7,547	9,021	13,132	1,282	2,435	4,405	5,010
1931.....	25,349	794	10,388	5,292	8,874	10,205	1,098	1,903	3,007	4,198
1932.....	20,387	444	8,151	4,305	7,487	6,946	535	1,503	1,806	3,102
South Atlantic ports										
1929.....	1,630	34	755	228	613	916	45	231	262	378
1930.....	1,745	46	878	267	557	810	40	218	275	268
1931.....	1,396	24	687	246	430	1493	30	202	208	148
1932.....	985	13	557	117	298	616	41	200	213	162
Gulf ports										
1929.....	6,754	508	3,286	994	1,966	16,075	2,657	2,115	4,480	6,823
1930.....	4,801	369	2,076	625	1,731	14,229	1,886	1,795	3,443	7,105
1931.....	3,555	268	1,535	375	1,788	11,869	1,451	1,661	2,450	6,307
1932.....	2,918	176	1,494	256	992	10,296	1,112	1,388	2,217	5,579
Pacific ports										
1929.....	3,185	4	1,324	752	1,105	13,593	20	4,060	3,738	5,775
1930.....	2,905	1	1,200	729	975	11,955	19	3,624	3,105	5,217
1931.....	2,056	(1)	824	479	753	9,881	16	2,610	2,456	4,798
1932.....	1,724	(1)	642	476	606	7,848	10	2,038	1,697	4,103
Great Lakes ports										
1929.....	5,609	-----	3,819	1,763	27	10,613	-----	3,921	6,645	47
1930.....	6,632	-----	5,344	1,283	5	9,595	-----	3,606	5,982	7
1931.....	3,509	-----	2,595	895	19	7,502	-----	2,037	5,408	12
1932.....	2,696	-----	1,847	786	63	6,139	-----	1,320	4,780	39

¹ Less than 500 tons

Source: United States Shipping Board Bureau, Department of Commerce.

No. 449.—CARGO TONNAGE OF WATER-BORNE IMPORTS AND EXPORTS: By TRADE REGIONS AND INDIVIDUAL COUNTRIES

NOTE.—In cargo tons of 2,240 pounds. Note that a country may appear in part under one trade region and in part under another. Minor countries are omitted but their trade is included in regional totals.

Foreign origin or destination	Imports			Exports		
	1930	1931	1932	1930	1931	1932
Grand total.....	47,562,416	35,864,286	28,710,280	49,730,870	40,049,246	31,844,566
United Kingdom.....	1,395,915	934,003	835,630	7,561,352	5,463,620	4,289,504
England.....	922,556	584,601	562,415	6,655,968	4,778,987	3,856,684
Ireland.....	0,379	7,033	2,653	412,780	274,923	182,776
Scotland.....	177,747	172,314	130,988	429,696	360,691	216,096
Wales.....	286,233	170,055	139,574	62,908	49,019	33,948
North Atlantic and Baltic Europe.....	1,738,182	1,279,519	1,160,645	1,619,315	1,456,656	1,015,781
Greenland.....	6,500	6,212	2,900	3	400	-----
U. S. S. R. (Russia).....	391,255	95,465	120,683	73,922	77,138	10,890
Finland.....	173,895	201,362	185,166	86,107	68,508	43,220
Norway.....	357,139	213,248	254,973	266,405	208,243	143,889
Sweden.....	742,752	699,871	541,974	491,616	390,043	314,030
Denmark.....	31,565	18,108	9,020	609,128	619,643	361,317
Danzig.....	18,673	27,534	14,240	35,858	13,344	2,062
Poland.....	15,163	8,541	15,225	5,600	7,760	39,051
Germany.....	6	-----	3,013	34,977	63,577	81,892
Estonia.....	1,164	9,178	12,441	-----	-----	-----
Latvia.....	-----	-----	-----	4,150	-----	3,930
Lithuania.....	-----	-----	-----	11,549	8,000	15,500
Havre-Hamburg range.....	3,098,283	2,300,068	1,896,386	8,080,577	6,812,646	5,560,660
Germany.....	1,313,331	975,596	800,799	3,005,661	2,304,388	1,933,267
Netherlands.....	637,313	470,561	493,909	2,046,428	1,790,444	1,272,434
Belgium.....	942,438	703,620	507,321	1,423,567	1,332,432	1,039,605
France.....	205,201	150,291	98,357	1,604,921	1,385,382	1,315,334
South Atlantic Europe.....	529,605	389,499	328,837	855,045	739,733	815,933
France.....	37,669	19,677	10,213	403,278	443,819	558,839
Portugal.....	41,042	39,305	33,169	134,176	50,317	37,836
Spain.....	450,165	330,239	283,118	255,725	202,917	183,763
Azores Islands.....	203	214	131	3,738	2,053	1,227
Canary Islands.....	207	64	200	51,730	37,670	34,020
Madeira.....	319	-----	6	6,399	2,957	248
West Mediterranean.....	1,011,058	573,782	387,820	2,388,669	1,769,292	1,595,635
Spain.....	206,571	102,428	72,448	327,834	275,634	236,273
France.....	89,389	49,581	36,095	439,717	431,412	554,728
Italy.....	409,059	281,229	221,161	1,399,832	928,744	755,299
Yugoslavia.....	6,677	6,941	3,308	23,771	6,648	3,312
Malta.....	12	-----	-----	8,720	6,641	7,035
Tunisia.....	24,938	153	2,545	26,140	20,950	7,184
Algeria.....	242,902	86,590	31,687	156,883	97,228	29,546
Morocco.....	31,510	46,860	366	5,772	2,035	2,258
East Mediterranean and Black Sea.....	731,988	858,287	596,983	535,489	419,134	380,506
Rumania.....	5,299	9,938	23,966	10,207	3,568	5,626
U. S. S. R. (Russia).....	537,255	736,725	453,988	173,602	134,201	14,896
Turkey.....	47,310	32,169	49,392	14,958	4,708	2,938
Cyprus.....	2,233	1,276	316	1	-----	-----
Greece.....	83,759	50,447	41,108	209,150	192,466	271,308
Egypt.....	49,276	20,697	22,282	110,085	74,157	55,763
Palestine.....	166	135	247	8,025	4,502	6,263
Syria.....	5,966	6,581	5,335	8,188	5,532	3,152
West Indies.....	11,240,957	8,998,201	7,287,284	3,130,073	2,035,949	1,237,510
Cuba.....	3,782,737	2,994,649	2,590,867	1,725,702	1,107,026	642,839
Jamaica.....	349,128	258,919	106,604	145,674	101,965	56,881
Bahama Islands.....	17,785	13,678	6,684	34,539	22,376	16,047
Haiti.....	35,452	24,134	31,808	59,522	49,213	44,246
Dominican Republic.....	133,683	134,832	107,892	86,017	65,404	51,582
Lesser Antilles.....	6,918,976	5,566,855	4,382,153	1,036,121	628,513	395,476
Bermudas.....	3,196	3,134	1,276	42,498	61,452	30,439
Mexico.....	2,087,990	1,672,513	1,692,394	582,378	377,709	329,476
Central America.....	1,205,201	1,060,918	863,701	1,168,061	982,803	543,952
British Honduras.....	46,236	18,643	7,086	14,378	14,512	14,545
Guatemala.....	147,183	121,186	93,481	71,309	60,396	46,392
Honduras.....	614,411	555,899	345,499	82,172	66,504	61,255
Nicaragua.....	105,247	79,173	94,067	48,215	37,666	16,633
Costa Rica.....	90,753	95,798	126,262	27,825	28,990	21,449
Panama.....	53,082	60,935	75,328	19,233	4,394	2,899
Canal Zone.....	134,476	121,879	117,644	867,596	726,386	359,728
El Salvador.....	18,613	7,403	4,334	37,333	23,955	21,051

No. 449.—CARGO TONNAGE OF WATER-BORNE IMPORTS AND EXPORTS: BY TRADE REGIONS AND INDIVIDUAL COUNTRIES—Continued

Foreign origin or destination	Imports			Exports		
	1930	1931	1932	1930	1931	1932
North Coast South America	6,014,781	5,102,783	4,783,663	332,133	173,308	123,422
Venezuela.....	3,033,511	3,059,637	2,968,086	174,831	93,870	70,794
British Guiana.....	121,624	135,424	71,894	14,218	5,282	3,472
Surinam (Netherland Guiana).....	277,893	189,482	126,860	16,907	11,234	8,895
French Guiana.....	22	168	4	2,590	2,551	3,044
Colombia.....	2,028,701	1,718,052	1,616,810	123,587	60,371	37,217
East Coast South America	1,517,039	1,418,689	908,547	2,129,137	1,466,247	1,192,364
Brazil.....	773,221	795,800	537,262	707,730	673,325	735,891
Uruguay.....	51,511	29,177	22,285	262,210	143,495	51,693
Argentina.....	700,245	574,682	347,000	1,159,117	628,829	404,780
South Atlantic Islands.....	12,072	19,030		80	20,598	
West Coast South America	2,981,422	1,691,033	598,393	1,152,551	704,304	203,174
Colombia.....	23,756	24,158	25,067	24,776	16,857	6,783
Chile.....	2,463,712	1,441,330	366,276	921,823	566,848	132,506
Peru.....	306,691	86,468	82,250	184,852	94,115	54,725
Ecuador.....	167,233	129,057	124,791	21,100	26,484	9,160
West Africa	288,042	296,581	177,788	251,910	180,639	133,350
Morocco.....	20,869	13,725	11,028	32,458	21,763	11,232
Cape Verde Islands.....	21	30	894	5,699	2,140	2,188
Senegal.....	4,279			18,037	36,746	18,385
Sierra Leone.....	724	2,567	2,309	9,057	6,528	5,348
Liberia.....		156	113	1,636	923	501
Ivory Coast.....	24,732	20,874	9,853	8,978	7,587	6,618
Gold Coast.....	136,448	168,162	85,363	49,108	38,118	31,129
Togo.....	21			3,400	3,009	2,435
Dahomey.....	2,484	3,488	2,430	6,834	4,571	3,107
Nigeria.....	72,102	65,593	48,716	48,201	28,845	26,317
Cameroons.....	1,399	397	110	7,215	4,626	2,865
Gabon.....	65		17	6,395	2,260	3,626
Belgian Congo.....	23,340	21,389	16,864	13,573	9,296	6,760
Southwest Africa.....	1,275	80		6,020	3,318	1,873
Angola.....	8	86	82	8,212	6,016	6,486
South and East Africa	285,897	123,985	66,435	452,851	363,092	211,463
Union of South Africa.....	18,959	21,858	22,484	299,942	250,285	125,580
Mozambique.....	209,880	97,826	40,557	99,598	76,133	58,781
British East Africa.....	14,803	1,425	1,150	135,658	120,913	19,337
French Somaliland.....	913	2,876	3,244	1,593	3,542	1,032
Madagascar.....	1,342			8,129	7,460	7,395
Mauritius Island.....				5,552	2,957	5,378
Australia and Antarctic Region	420,828	207,254	83,745	1,391,934	838,689	1,008,267
New Guinea.....	17,218	5,435	2,191	3,840	2,674	1,626
New Zealand.....	58,463	48,527	15,149	479,899	344,907	314,113
Australia.....	257,491	74,049	31,073	870,587	471,986	672,528
Fiji Islands.....	15,337	6,034	3,007	6,898	3,807	2,415
New Caledonia.....	41,215	28,780	16,602	2,351	1,311	2,354
Society Islands.....	9,181	11,294	5,945	8,487	6,142	6,406
Solomon Islands.....	2,274	550	275	241	104	
Tasmania.....	277	32		13,723	4,765	6,679
East Indies	887,226	846,534	821,140	361,099	232,815	163,760
Straits Settlements.....	462,736	435,762	320,928	78,418	40,777	22,021
French Indo-China and Siam.....	2,749	1,940	7,305	32,850	25,017	30,901
Sumatra.....	96,670	118,482	129,659	63,333	15,857	9,714
Java.....	277,698	243,263	275,846	168,394	142,110	87,934
Borneo.....	6,796	6,588	4,131	4,403	386	10,852
Celebes.....	20,845	27,705	66,545	8,971	8,216	2,338
East Asia	1,854,862	1,700,942	1,665,107	5,785,706	6,126,187	4,910,733
China.....	268,485	270,460	129,338	1,534,058	2,026,467	1,216,225
U. S. S. R. (Russia).....	2,045	2,530	2,090	11,761		
Japan.....	377,978	308,152	290,566	3,689,295	3,571,978	3,211,406
Philippine Islands.....	1,206,354	1,119,800	1,234,113	560,592	527,742	483,102
India, Persian Gulf, and Red Sea	863,476	680,312	432,330	350,568	339,559	185,114
Anglo Egyptian Sudan.....	5,665	3,537	3,974	2,284	363	
Egypt.....	12,994	645	382	452	242	394
Aden.....	3,922			2,503		
Iraq.....	21,292	22,872	23,015		206	9
Arabia.....	24	3,610	3,060	992	8,486	3,368
India.....	740,054	565,039	351,151	310,874	305,793	167,071
Ceylon.....	79,525	64,504	50,748	33,463	22,755	12,542
Canada	9,448,684	5,751,405	4,207,652	11,592,022	9,586,984	7,943,972
Pacific.....	1,143,194	711,192	537,081	1,095,457	988,957	910,809
Atlantic and Newfoundland.....	1,673,997	1,531,662	1,015,872	900,903	1,096,353	929,527
Great Lakes.....	6,631,493	3,508,551	2,654,699	9,595,662	7,501,654	6,103,636

¹ Kenya and Tanganyika Territory only.

Source: United States Shipping Board Bureau, Department of Commerce.

No. 450.—CARGO TONNAGE OF WATER-BORNE IMPORTS AND EXPORTS: By STATES AND INDIVIDUAL PORTS

NOTE.—In cargo tons of 2,240 pounds State totals cover all tonnage, including small ports not shown

State and port	Imports			Exports		
	1930	1931	1932	1930	1931	1932
North Atlantic District	31,436,551	25,348,505	20,386,921	13,110,198	10,205,485	6,946,480
Maine, total.....	952,571	726,083	476,292	79,748	60,279	92,075
Portland.....	740,749	437,788	266,520	79,400	57,856	86,475
New Hampshire: Portsmouth.....	58,475	47,764	21,630	101	2,500	1,204
Vermont.....	585	372				
Massachusetts, total.....	3,328,741	2,781,252	2,231,152	286,598	210,152	195,508
Boston.....	2,385,564	2,228,622	1,779,429	275,327	207,107	194,108
Everett.....	88,748	20,850	11,800			
Fall River.....	729,875	462,606	373,050	2,023	2,215	
Rhode Island, total.....	685,751	671,841	419,532	586	186	3,411
Providence.....	684,031	671,841	419,532	357	186	3,411
Connecticut, total.....	47,435	65,524	40,557	10	4,368	9,361
New Haven.....	11,113	13,164	13,807	10	4,368	9,356
New London.....	17,956	19,766	13,275			5
New York, total.....	15,406,822	12,874,085	10,890,255	7,879,572	6,000,251	4,191,736
New York ¹	15,318,601	12,707,818	10,679,148	7,862,282	5,991,868	4,125,472
New Jersey, total.....			12,663		21,913	4,181
Paulsboro.....			9,100		21,913	4,181
Pennsylvania: Philadelphia.....	4,209,169	3,174,599	2,917,461	1,773,323	1,507,552	1,071,144
Delaware, total.....	416,546	342,087	256,328	952	1,247	1,134
Claymont.....	144,153	95,631	94,640	530	1,247	
Wilmington.....	272,393	246,456	161,688	422		1,134
Maryland: Baltimore.....	5,502,169	3,950,276	2,639,876	969,485	794,029	540,509
District of Columbia.....		720				
Virginia, total.....	828,287	713,902	481,175	2,097,910	1,596,819	836,217
Newport News.....	112,853	121,591	86,705	664,964	488,445	208,673
Norfolk.....	715,434	592,311	394,470	1,430,291	1,044,274	477,062
South Atlantic District	1,740,599	1,395,782	985,236	809,875	592,519	615,494
North Carolina: Wilmington.....	244,707	220,683	177,653	13,293	7,069	12,488
South Carolina, total.....	403,983	313,794	276,359	189,015	108,811	111,773
Charleston.....	403,983	313,794	276,359	180,818	104,351	109,865
Georgia, total.....	510,497	428,799	286,045	336,184	283,404	250,534
Brunswick.....	29,689	39,067	27,856	51,814	41,072	43,351
Savannah.....	480,808	389,732	258,189	284,370	242,332	207,483
Florida, east coast, total.....	581,412	432,506	345,179	271,383	193,235	240,399
Fernandina.....			893	65,382	39,200	41,555
Jacksonville.....	401,924	277,114	232,806	189,632	143,326	193,242
Miami.....	178,124	155,192	111,480	15,544	9,105	5,602
Gulf District	4,798,368	3,555,397	2,917,670	14,250,975	11,869,010	10,295,497
Florida, west coast, total.....	398,725	279,198	196,660	1,695,881	1,212,977	885,341
Boca Grande.....		60	11	167,992	201,443	115,518
Key West.....	102,959	57,062	63,681	189,680	95,652	40,034
Pensacola.....	117,467	72,163	27,132	234,115	198,349	215,333
Tampa.....	178,299	135,674	84,635	1,089,638	699,680	492,667
Alabama: Mobile.....	344,897	254,381	223,854	431,095	367,737	470,233
Mississippi: Gulfport.....	77,791	46,301	17,676	236,339	100,033	91,017
Louisiana, total.....	3,117,414	2,322,621	1,963,379	4,172,917	3,024,513	2,460,609
Baton Rouge.....	162,458	111,868	165,576	957,143	960,447	789,461
Lake Charles.....	25,358	12,823	2,990	94,860	96,513	112,985
New Orleans.....	2,929,598	2,197,930	1,794,813	3,088,445	1,924,189	1,543,798
Texas, total.....	860,539	652,896	516,201	7,714,743	7,163,750	6,388,297
Beaumont.....	7,062	4,222	4,359	467,256	424,314	352,036
Corpus Christi.....	4,806	4,629	2,557	297,383	265,845	209,955
Freeport.....				167,277	149,606	112,657
Galveston.....	304,020	228,054	205,796	1,817,876	1,201,691	1,374,498
Houston.....	339,222	253,855	145,232	4,165,243	3,606,020	2,730,917
Orange.....	11,064	10,235	1,735	34,378	4,597	5,982
Port Arthur.....	121,743	86,373	149,680	1,099,914	1,362,903	1,496,102
Sabine.....				8,400		
Texas City.....	61,813	65,523	6,842	127,056	122,383	80,169

¹ Includes commerce of New Jersey ports which enters or clears through this customhouse.

No. 450.—CARGO TONNAGE OF WATER-BORNE IMPORTS AND EXPORTS: BY STATES AND INDIVIDUAL PORTS—Continued

State and port	Imports			Exports		
	1930	1931	1932	1930	1931	1932
Pacific District	2, 904, 927	2, 056, 051	1, 724, 254	11, 966, 736	9, 880, 568	7, 847, 662
California, total.....	1, 796, 613	1, 359, 602	1, 109, 492	8, 446, 339	6, 773, 545	6, 045, 899
Eureka.....	—	1, 004	—	23, 183	9, 510	5, 785
Los Angeles.....	647, 169	537, 603	420, 698	5, 854, 936	4, 324, 304	3, 568, 487
San Diego.....	21, 780	12, 158	7, 771	10, 793	7, 000	1, 366
San Francisco ¹	1, 127, 301	808, 727	681, 021	2, 060, 105	1, 945, 003	1, 780, 542
Port San Luis.....	67	110	2	491, 073	476, 870	623, 122
Oregon, total.....	103, 056	87, 898	63, 578	1, 445, 036	1, 205, 728	654, 587
Astoria.....	234	1, 009	87	80, 353	86, 179	34, 908
Cosco Bay.....	—	—	—	128, 660	90, 741	42, 624
Portland.....	95, 132	80, 545	63, 491	1, 117, 459	961, 700	543, 343
Prescott.....	—	—	—	24, 956	15, 506	12, 636
Wauna.....	—	—	—	53, 004	8, 856	4, 070
Westport.....	—	—	—	21, 304	10, 501	7, 878
Washington, total.....	1, 005, 258	608, 551	551, 184	2, 075, 361	1, 901, 205	1, 147, 176
Anacortes.....	30, 545	18, 856	1, 820	28, 139	4, 104	3, 503
Bellingham.....	16, 183	7, 504	15, 843	70, 624	51, 692	36, 794
Everett.....	14, 567	28, 665	5, 014	201, 841	157, 154	54, 717
Grays Harbor.....	1, 693	2, 132	500	347, 180	295, 609	145, 694
Longview.....	2, 729	4, 276	2, 782	112, 068	95, 113	88, 818
Olympia.....	1, 687	1, 426	106	219, 052	170, 931	50, 828
Port Angeles.....	164, 176	98, 255	84, 777	13, 550	31, 185	11, 764
Port Townsend.....	40, 772	11, 456	11, 083	11, 083	11, 915	2, 419
Seattle.....	359, 865	222, 206	218, 893	520, 292	536, 911	353, 190
Tacoma.....	364, 315	207, 551	139, 960	486, 175	473, 876	340, 536
Vancouver.....	—	500	—	572	—	1, 876
Willapa Harbor.....	—	200	—	13, 484	22, 162	28, 914
Great Lakes District	6, 631, 493	3, 508, 551	2, 696, 199	9, 597, 262	7, 501, 654	6, 139, 433
New York, total.....	3, 077, 085	2, 360, 808	1, 874, 530	2, 455, 097	1, 930, 923	1, 592, 524
Buffalo.....	2, 627, 369	2, 009, 729	1, 644, 357	829, 889	790, 923	824, 525
Ogdensburg.....	141, 848	92, 033	79, 300	4, 239	135	—
Oswego.....	299	9, 564	35, 322	4, 054	76, 441	61, 527
Rochester.....	112, 979	131, 638	67, 240	860, 221	697, 281	415, 564
Sodus Point.....	—	—	—	701, 268	354, 210	274, 818
Tonawanda.....	19, 020	50, 325	4, 928	—	—	—
Waddington.....	129, 800	56, 800	28, 070	—	—	—
Pennsylvania: Erie.....	419, 041	209, 840	105, 380	1, 206, 612	1, 136, 093	409, 532
Ohio, total.....	871, 202	116, 748	96, 636	4, 334, 554	3, 227, 490	3, 421, 454
Ashtabula.....	3, 342	3, 186	14, 312	365, 348	643, 617	877, 632
Cleveland.....	120, 051	67, 009	33, 192	654, 055	392, 861	466, 621
Conneaut.....	—	2, 500	—	110, 742	156, 875	182, 670
Fairport.....	12, 281	15, 646	7, 880	266, 632	151, 543	498, 116
Lorain.....	10, 132	6, 484	4, 000	464, 793	184, 510	95, 278
Sandusky.....	49, 563	1, 370	2, 120	967, 991	738, 663	377, 661
Toledo.....	673, 707	15, 450	35, 132	1, 486, 311	950, 747	933, 476
Indiana.....	2, 421	4, 494	160	135, 059	117, 538	13, 861
Illinois, total.....	277, 861	188, 241	154, 054	89, 890	66, 816	324, 385
Chicago.....	277, 861	188, 241	154, 054	75, 109	66, 816	324, 385
Michigan, total.....	1, 656, 783	428, 663	344, 077	678, 989	456, 158	294, 578
Algonac.....	—	2, 412	2, 300	32, 250	7, 350	—
Bay City.....	46, 902	20, 851	8, 500	39, 851	—	14, 563
Detroit.....	1, 295, 597	215, 630	151, 500	175, 229	221, 548	244, 238
Escanaba.....	—	8, 918	4, 994	215, 178	116, 729	10, 075
Marquette.....	—	—	—	157, 150	88, 250	8, 000
Port Huron.....	62, 823	81, 062	71, 517	6, 439	7	—
Sault Ste Marie.....	47, 023	32, 092	9, 125	2, 498	4, 665	2, 139
South Haven.....	—	12, 978	56, 710	—	—	—
Wyandotte.....	145, 570	23, 200	1, 815	1, 050	—	6, 300
Wisconsin, total.....	205, 618	162, 103	95, 717	552, 297	407, 280	71, 087
Ashland.....	142, 848	87, 866	7, 000	109, 783	118, 591	9, 784
Milwaukee.....	12, 082	19, 809	28, 453	11, 287	—	430
Superior.....	8, 451	7, 802	253	425, 580	284, 853	58, 193
Minnesota, total.....	121, 482	37, 854	25, 645	144, 764	159, 356	12, 012
Duluth.....	121, 482	37, 854	25, 645	141, 531	156, 625	11, 560

¹Includes all ports within San Francisco Bay

Source: United States Shipping Board Bureau, Department of Commerce

No. 451.—CARGO TONNAGE OF WATER-BORNE IMPORTS AND EXPORTS:
By MAJOR COMMODITIES AND BY COASTAL DISTRICTS

NOTE.—In thousands of cargo tons of 2,240 pounds. Leaders indicate no data, or less than 500 tons

Commodity	1929	1930	1931	1932					
				Total	North At- lantic	South At- lantic	Gulf	Pac- ific	Great Lakes
Imports, total	50, 985	47, 562	35, 864	28, 710	20, 387	985	2, 918	1, 724	2, 696
Wheat	2, 195	2, 585	1, 823	1, 046	3			1	1, 642
Other grains	316	348	297	58	15			5	37
Oil seeds	663	378	477	257	240			15	2
Vegetable oils	532	502	452	342	262		37	43	
Vegetables and vegetable products, n. e. s.	884	800	634	504	397	3	18	86	
Animal, fish, and dairy products	440	376	318	254	181	1	12	60	
Bananas	1, 743	1, 535	1, 349	1, 048	504	27	451	66	
Coconuts and copra	327	341	272	259	48		26	185	
Other fruits and nuts	295	302	243	202	152		38	11	
Sugar	4, 399	3, 104	2, 743	2, 617	1, 943	104	403	90	18
Molasses	1, 567	1, 262	936	959	693	2	265		
Coffee	690	751	801	693	455	5	158	76	
Cocoa and manufactures	229	170	199	217	211			5	
Cotton	90	61	40	32	26		2	3	
Cotton manufactures	82	63	50	41	28		1	12	
Wool	114	69	69	25	23			2	
Wool manufactures	28	15	12	13	12				
Silk	38	29	34	31	10			21	
Silk manufactures	16	8	11	10	9			1	
Jute	92	46	57	32	29			2	
Jute manufactures	328	343	228	192	104	7	52	28	
Other vegetable fibers and grasses	363	286	237	235	120	25	83	20	7
Textiles and manufactures, n. e. s.	90	67	55	54	40	1	6	5	2
Hides, skins, and manufactures	248	188	129	92	88		1	3	
Furs and fur skins	13	11	9	10	9			1	
Rubber	566	526	535	427	380	2	6	39	
Pulpwood and wood pulp	2, 144	2, 731	2, 184	1, 732	1, 137		15	88	488
Paper stock, n. e. s.	236	145	63	47	33	6	2	6	
Paper and manufactures	467	638	607	682	314	26	63	102	176
Clays	346	295	190	125	115		2	5	3
Clay manufactures	143	88	50	44	31		1	12	
Coal and coke	665	825	707	740	691			48	
Petroleum and products	14, 833	14, 424	11, 717	10, 370	9, 077	456	769	7	60
Gypsum	930	808	649	332	312		6	14	
Pyrites	509	403	286	233	228	4		1	
Nonmetallic minerals, n. e. s.	3, 068	3, 338	898	471	216	2	8	37	207
Iron ores	3, 430	3, 163	1, 677	690	671		11	8	
Manganese and manganese ore	760	607	537	107	99		6	1	2
Iron and steel and manufactures	706	547	453	411	259	4	77	59	12
Copper and manufactures	584	513	359	215	146			68	1
Miscellaneous metals and mfrs.	752	671	509	358	101		166	91	
Logs and lumber	1, 641	1, 220	727	465	235		15	206	9
Dyeing and tanning materials	166	169	131	107	106			1	
Potash	755	796	442	225	104	80	30	6	5
Nitrates	1, 094	683	691	302	107	125	39	32	
Other fertilizers	262	214	154	128	38	27	15	40	
Pigments, chemicals, and mfrs, n. e. s.	671	584	430	333	153	18	116	45	1
All other	521	488	361	278	192	1	12	54	19
Exports, total	57, 475	49, 731	40, 049	31, 845	6, 946	615	10, 295	7, 849	6, 139
Wheat	4, 509	4, 544	3, 911	2, 736	1, 575		599	132	430
Rye	76	21	18	75	37				38
Corn	689	103	76	214	67		13		133
Barley	955	283	304	191	6		13	127	45
Oats	117	33	38	33	11		16		5
Rice	165	118	133	116	3		92	21	
Other grains	108	29	84	250	35		208	7	
Wheat flour	1, 431	1, 290	935	526	229		64	223	11
Oil-cake and meal	548	214	402	277	135	2	130	9	2
Vegetables and vegetable products, n. e. s.	234	239	192	291	133	4	107	30	15
Animal, fish, and dairy products	774	626	507	449	281	34	69	64	1
Fruits and nuts	790	743	924	830	254	5	6	564	
Sugar	121	135	110	123	111		10	2	
Naval stores	374	321	271	270	3	202	64	2	
Tobacco and manufactures	286	292	255	211	157	6	47	1	
Cotton	1, 736	1, 501	1, 590	2, 104	34	147	1, 864	59	
Cotton manufactures	66	45	42	50	35	11	4		
Other textiles and manufactures	111	90	56	55	33		15	1	6
Hides, skins, and manufactures	21	22	26	20	12			7	
Rubber and manufactures	83	77	57	35	24		3	7	
Paper stock and manufactures	279	244	248	228	110	1	16	101	

No. 451.—CARGO TONNAGE OF WATER-BORNE IMPORTS AND EXPORTS: BY MAJOR COMMODITIES AND BY COASTAL DISTRICTS—Continued

Commodity	1929	1930	1931	1932					
				Total	North At- lantic	South At- lantic	Gulf	Pac- ific	Great Lakes
Exports—Continued.									
Coal and coke.....	9,992	9,685	7,536	5,580	401	18	92	2	5,068
Petroleum and products.....	17,944	17,046	13,833	11,422	1,425	8	4,790	5,008	190
Sulphur.....	852	574	389	350	2	—	345	1	3
Cement.....	111	106	67	52	29	—	20	3	—
Nonmetallic minerals and mfrs., n. e. s.	433	333	236	130	44	5	28	36	17
Iron ores.....	1,255	746	464	54	1	—	—	—	53
Iron, steel, and manufactures.....	1,972	1,284	632	491	309	10	72	44	57
Machinery.....	706	550	315	101	90	—	4	6	1
Vehicles.....	1,046	572	326	160	154	—	1	4	1
Copper and manufactures.....	387	318	235	147	101	—	8	37	—
Ores, metals and manufactures, n. e. s.	297	255	195	124	29	—	67	28	—
Logs and lumber.....	5,583	4,169	3,175	2,166	53	116	870	1,125	1
Phosphates.....	1,122	1,228	917	574	4	42	527	1	—
Other fertilizers.....	268	187	213	216	208	1	3	3	2
Pigments, chemicals, and mfrs., n. e. s.	533	510	456	567	335	—	88	99	45
All other.....	1,501	1,198	882	624	476	3	40	90	16

Source United States Shipping Board Bureau, Department of Commerce.

No. 452.—NET TONNAGE OF VESSELS ENTERED AND CLEARED IN FOREIGN TRADE

NOTE.—Domestic trade is not included. For definition of net tonnage see general note, p. 378. Figures cover years ended June 30 to and including 1918, calendar years thereafter. Owing to the marked effect of the war on shipping a special average for the 6½ years July 1, 1914, to Dec 31, 1920, is presented

[In thousands of net tons]

Yearly average or year	Entered		Cleared		Year	Entered		Cleared	
	Sea-ports	Other ports	Sea-ports	Other ports		Sea-ports	Other ports	Sea-ports	Other ports
1840 ¹	1,788	501	1,861	492	1902.....	24,361	6,293	24,242	6,202
1850.....	3,169	1,179	3,167	1,194	1903.....	24,698	6,396	24,823	6,493
1860.....	5,000	3,275	5,257	3,533	1904.....	24,111	5,841	24,192	5,824
1870.....	6,270	2,886	6,362	2,807	1905.....	24,793	6,190	25,020	6,138
1871-1875.....	8,462	2,997	8,514	2,994	1906.....	27,401	6,754	26,970	6,814
1876-1880.....	12,134	2,792	12,197	2,807	1907.....	29,248	7,374	28,499	7,491
1881-1885.....	13,604	2,931	13,781	2,917	1908.....	30,444	8,095	30,198	8,084
1886-1890.....	13,479	2,602	13,655	2,593	1909.....	30,243	8,815	29,604	8,592
1891-1895.....	16,801	2,816	16,965	2,876	1910.....	30,917	9,319	30,510	9,196
1896-1900.....	20,931	3,989	21,077	4,007	1911.....	32,457	10,218	32,299	10,138
1901-1905.....	24,551	5,939	24,633	5,918	1912.....	34,659	11,499	34,706	11,711
1906-1910.....	29,651	8,071	29,156	8,036	1913.....	37,973	12,666	37,566	13,586
1911-1915.....	36,035	11,879	35,954	12,061	1914.....	40,052	13,337	39,743	13,440
1915-1920 ¹	38,071	13,440	40,137	13,511	1915.....	35,032	11,678	35,458	11,427
1921-1925.....	52,959	13,334	53,578	13,075	1916.....	37,744	13,806	38,946	13,477
1926-1930.....	63,768	15,293	64,441	15,319	1917.....	36,521	13,951	38,094	13,983
1910-1914.....	35,212	11,408	34,965	11,614	1918.....	31,101	14,356	31,869	14,145
1914-1920 ²	37,604	13,169	39,417	13,190	1918 (July-Dec.).....	16,113	8,916	16,112	8,360
1887.....	13,532	2,284	13,511	2,242	1919.....	36,381	10,320	40,750	10,506
1888.....	12,956	2,437	13,252	2,417	1920.....	51,532	12,572	54,981	12,837
1889.....	13,312	2,640	13,672	2,671	1921.....	49,958	12,327	50,423	12,242
1890.....	15,366	2,741	15,429	2,720	1922.....	51,701	13,490	51,799	13,040
1891.....	15,394	2,810	15,411	2,850	1923.....	52,775	13,544	53,215	13,409
1892.....	18,180	2,833	18,258	2,903	1924.....	54,726	13,565	55,294	13,616
1893.....	16,679	2,903	16,825	2,936	1925.....	55,636	13,742	57,160	13,069
1894.....	17,025	2,965	17,306	2,966	1926.....	63,759	13,174	66,583	13,458
1895.....	16,725	2,570	17,024	2,727	1927.....	58,921	15,389	59,759	15,682
1896.....	17,453	3,536	17,619	3,596	1928.....	62,809	17,402	63,331	17,336
1897.....	20,003	3,757	19,878	3,831	1929.....	66,872	15,749	67,030	15,313
1898.....	21,700	3,879	21,892	3,856	1930.....	66,499	14,753	66,500	14,808
1899.....	21,963	4,148	22,177	4,089	1931.....	60,427	12,355	61,204	12,297
1900.....	23,534	4,629	23,618	4,663	1932.....	55,229	9,607	54,900	9,547
1901.....	24,791	4,977	24,889	4,931	1933.....	51,564	9,372	52,083	9,204

¹ Year ended Sept. 30.

² Average for period July 1, 1915, to Dec. 31, 1920.

Source: Bureau of Foreign and Domestic Commerce.

³ Average for period July 1, 1914, to Dec. 31, 1920.

No. 453.—NET TONNAGE OF VESSELS ENTERED AND CLEARED IN FOREIGN TRADE: BY CUSTOMS DISTRICTS AND BY REGIONS

NOTE.—In thousands of nettons. See headnote, Table 452

Customs district	1930		1931		1932		1933	
	Entered	Cleared	Entered	Cleared	Entered	Cleared	Entered	Cleared
Grand total.....	81,253	81,307	72,782	73,501	64,837	64,446	60,936	61,287
Seaports, total.....	66,499	66,500	60,427	61,204	55,229	54,900	51,564	52,063
North Atlantic coast, total.....	32,954	30,954	30,551	29,333	28,121	26,192	26,332	24,798
Maine and New Hampshire.....	899	655	772	598	588	392	507	334
Massachusetts.....	4,088	2,907	3,986	3,128	4,169	3,295	4,058	3,157
Rhode Island.....	443	262	370	222	228	145	175	87
Connecticut.....	27	6	25	16	20	7	31	4
New York.....	24,545	25,213	23,026	23,635	21,190	20,922	19,531	19,584
Philadelphia.....	2,952	1,911	2,372	1,735	1,927	1,431	2,030	1,632
South Atlantic coast, total.....	5,428	6,015	4,604	4,960	4,361	4,586	3,681	4,022
Maryland.....	2,486	1,583	1,885	1,161	1,342	1,006	1,000	718
Virginia.....	713	1,956	811	1,602	996	1,174	661	1,218
North Carolina.....	139	88	122	95	76	72	128	38
South Carolina.....	337	254	263	166	282	129	262	119
Georgia.....	290	578	282	475	181	419	167	402
Puerto Rico.....	1,463	1,558	1,242	1,461	1,484	1,787	1,463	1,627
Gulf coast, total.....	10,932	12,019	9,144	10,244	8,136	9,143	7,124	8,294
Florida.....	2,716	2,550	2,343	2,069	2,181	1,998	1,794	1,624
Mobile.....	547	655	372	577	393	538	231	447
New Orleans.....	4,575	4,209	3,410	3,287	2,896	2,807	2,554	2,551
Sabine.....	635	798	725	890	847	885	1,010	1,124
Galveston.....	2,458	3,807	2,294	3,421	1,819	2,915	1,535	2,648
Mexican border, San Antonio.....	171	127	190	103	159	104	211	132
Pacific coast, total.....	17,015	17,385	15,938	16,564	14,452	14,875	14,216	14,837
Washington.....	7,409	6,746	7,200	6,682	5,913	5,285	5,770	5,320
Oregon.....	533	709	339	535	222	448	231	453
San Francisco.....	2,092	2,414	2,020	2,430	1,869	2,452	1,945	2,356
Los Angeles.....	5,012	5,718	4,204	5,061	4,224	4,828	4,214	4,974
Alaska.....	301	235	287	255	257	138	175	169
Hawaii.....	1,319	1,411	1,368	1,421	1,406	1,486	1,450	1,442
San Diego.....	348	152	519	181	560	199	431	123
Northern border, total.....	14,753	14,608	12,355	12,297	9,607	9,547	9,372	9,204
Vermont.....	4	4	5	5	4	4	4	4
St. Lawrence.....	1,088	826	667	603	455	437	479	458
Rochester.....	3,014	3,029	2,693	2,690	2,081	1,956	1,571	1,574
Buffalo.....	2,384	1,103	2,143	1,018	1,888	981	1,528	879
Ohio.....	4,326	5,510	3,777	4,278	3,090	2,917	3,186	3,109
Michigan.....	2,092	2,440	1,597	1,664	1,007	1,608	1,485	1,916
Chicago.....	246	493	236	512	220	445	256	459
Wisconsin.....	487	440	536	442	572	300	589	323
Duluth and Superior.....	1,112	962	703	1,066	290	899	274	482

Yearly average or year	Atlantic coast		Gulf coast		Pacific coast		Mexican border, total	Northern border	
	Total	With cargo	Total	With cargo	Total	With cargo		Total	With cargo
Entrances:									
1901-1905.....	17,427	15,149	4,056	1,770	3,068	2,286	-----	5,939	2,602
1906-1910.....	20,921	18,494	5,159	2,420	3,570	2,707	-----	8,072	3,207
1911-1915.....	24,293	20,708	6,635	3,377	5,055	3,649	52	11,879	4,564
1915-1920 ¹	24,581	16,094	7,939	4,646	5,487	4,329	64	13,440	5,646
1921-1925.....	30,979	27,133	12,390	8,243	9,562	6,070	28	13,334	6,475
1926-1930.....	36,884	33,003	11,634	7,415	15,100	8,247	150	15,293	7,700
1930.....	38,382	35,594	10,932	6,932	17,015	9,674	171	14,753	7,418
1931.....	35,155	31,812	9,144	5,697	15,938	9,653	190	12,355	5,980
1932.....	32,482	28,755	8,136	5,073	14,452	8,808	159	9,607	4,869
1933.....	30,013	27,299	7,124	4,051	14,216	8,990	211	9,372	4,444
Clearances:									
1901-1905.....	17,077	15,714	4,499	4,328	3,057	2,418	-----	5,918	3,825
1906-1910.....	20,162	18,659	5,477	5,187	3,517	2,922	-----	8,036	5,673
1911-1915.....	23,608	21,765	7,193	6,414	5,104	4,643	50	12,060	8,567
1916-1920 ¹	25,921	23,168	8,528	6,915	5,626	4,762	62	13,511	9,637
1921-1925.....	30,837	24,284	12,833	9,589	9,880	8,360	28	13,075	9,236
1926-1930.....	36,361	28,696	12,326	10,641	15,658	13,148	95	15,319	10,504
1930.....	36,969	28,379	12,019	10,594	17,385	14,406	127	14,808	9,809
1931.....	34,293	26,182	10,244	9,138	16,564	14,382	103	12,297	8,644
1932.....	30,778	22,966	9,143	8,086	14,875	12,753	104	9,547	6,799
1933.....	28,820	22,684	8,294	7,601	14,837	12,781	132	9,204	6,629

¹ July 1, 1915, to Dec. 31, 1920.

Source: Bureau of Foreign and Domestic Commerce.

No. 454.—NET TONNAGE OF VESSELS ENTERED IN FOREIGN TRADE: By CLASSES

[All figures except number of vessels and percentages in thousands of net tons See headnote, Table 452]

Yearly average or year	Number of vessels, all ports	All ports				Seaports				
		Total	American	Foreign	Per cent American	All vessels	Sailing vessels	Steam vessels	With cargo	In ballast
1881-1890.....	32,038	16,308	3,395	12,913	20.7	13,542	5,251	8,291	11,560	1,982
1891-1900.....	31,781	22,269	4,978	17,291	22.4	18,866	3,816	15,050	14,184	4,682
1901-1905.....	34,040	30,490	6,802	23,688	22.3	24,551	2,606	21,945	19,205	5,346
1906-1910.....	34,375	37,722	8,372	29,350	22.2	29,650	1,816	27,834	23,621	6,029
1911-1915.....	38,951	47,914	12,205	35,709	25.5	36,035	1,574	34,461	27,778	8,257
1915-1920 ¹	42,713	51,511	21,999	29,512	42.7	38,071	1,899	36,173	25,128	12,943
1921-1925.....	41,546	66,293	29,645	36,648	44.7	52,959	1,004	51,955	41,471	11,488
1926-1930.....	45,846	79,062	30,314	48,748	38.3	63,768	472	63,296	48,710	15,058
1910-1914.....	38,038	46,619	11,328	35,291	24.3	35,212	1,558	33,654	28,096	7,116
1914-1920 ²	42,237	50,773	20,657	30,116	40.7	37,604	1,853	35,750	24,938	12,666
1919.....	39,052	46,702	21,933	24,769	47.0	36,381	1,614	34,767	24,041	12,340
1920.....	45,637	64,104	32,119	31,985	50.1	51,531	1,847	49,684	35,387	10,144
1921.....	40,758	62,285	31,185	31,100	50.1	49,958	1,379	48,579	36,066	13,892
1922.....	40,926	65,191	31,738	33,453	48.7	51,701	1,104	50,597	43,219	8,482
1923.....	41,591	66,319	27,725	38,594	41.8	52,775	958	51,817	42,219	10,556
1924.....	42,435	68,292	29,628	38,664	43.4	54,726	849	53,877	42,403	12,323
1925.....	42,019	69,378	27,947	41,431	40.3	55,636	731	54,905	43,450	12,186
1926.....	44,757	76,933	26,890	50,043	35.0	63,759	549	63,210	45,113	18,646
1927.....	45,459	74,310	29,289	45,021	39.4	58,921	530	58,391	45,462	13,458
1928.....	48,252	80,211	31,285	48,926	39.0	62,809	453	62,356	48,767	14,052
1929.....	46,687	82,602	32,241	50,361	39.0	66,863	456	66,397	51,919	14,934
1930.....	44,076	81,253	31,866	49,387	39.2	66,499	373	66,127	52,298	14,201
1931.....	36,373	72,782	26,907	45,875	37.0	60,427	241	60,186	47,265	13,162
1932.....	30,318	64,837	24,278	40,559	37.4	55,229	236	54,994	42,701	12,528
1933.....	28,019	60,936	22,488	38,448	36.9	51,504	180	51,384	40,410	11,154

Yearly average or year	Seaports—Continued					Northern border ports			
	American vessels		Foreign vessels		Per cent American	Total	With cargo	American	Foreign
	Total	With cargo	Total	With cargo					
1881-1890.....	2,933	2,559	10,609	9,001	21.7	2,766	1,976	462	2,304
1891-1900.....	3,619	2,956	15,247	11,228	19.2	3,403	1,589	1,359	2,044
1901-1905.....	3,962	3,246	20,589	15,960	16.1	5,939	2,602	2,840	3,099
1906-1910.....	4,175	3,471	25,475	20,150	14.1	8,072	3,207	4,197	3,875
1911-1915.....	5,276	4,200	30,759	23,578	14.6	11,879	4,564	6,929	4,950
1915-1920 ¹	14,508	11,375	23,563	13,753	38.1	13,440	5,646	7,490	5,950
1921-1925.....	22,526	18,404	30,433	23,068	42.5	13,334	6,455	7,119	6,215
1926-1930.....	23,182	18,809	40,586	29,901	36.4	15,293	7,700	7,132	8,162
1910-1914.....	4,753	3,787	30,459	24,309	13.5	11,407	4,501	6,575	4,832
1914-1920 ²	13,327	10,481	24,276	14,456	35.4	13,169	5,430	7,330	5,840
1919.....	16,224	12,294	20,157	11,747	44.6	10,321	3,763	5,709	4,612
1920.....	26,225	19,822	25,306	15,565	50.9	12,573	5,852	5,894	6,679
1921.....	24,402	18,620	25,566	17,446	48.8	12,327	5,672	6,783	5,544
1922.....	23,633	20,308	28,068	22,911	45.7	13,490	6,178	8,105	5,385
1923.....	20,984	17,790	31,791	24,429	39.8	13,544	6,766	6,741	6,803
1924.....	22,462	18,267	32,264	24,136	41.0	13,565	6,335	7,166	6,399
1925.....	21,148	17,033	34,487	26,417	38.0	13,742	7,323	6,798	6,944
1926.....	21,091	17,103	42,668	28,010	33.1	13,174	7,131	5,799	7,375
1927.....	22,001	17,068	36,920	27,794	37.3	15,389	7,824	7,283	8,101
1928.....	22,991	18,404	39,313	30,353	36.6	17,402	8,571	8,294	9,108
1929.....	25,208	20,541	41,645	31,378	37.7	15,749	7,558	7,034	8,716
1930.....	24,620	20,330	41,879	31,068	37.0	14,753	7,418	7,245	7,508
1931.....	21,499	18,123	38,929	29,142	35.6	12,355	5,980	5,408	6,946
1932.....	20,643	17,396	34,587	25,306	37.4	9,607	4,869	3,635	5,973
1933.....	19,051	16,123	32,513	24,287	36.9	9,372	4,444	3,437	5,934

¹ Average for period July 1, 1915, to Dec 31, 1920.

² Average for period July 1, 1914, to Dec 31, 1920.

Source: Bureau of Foreign and Domestic Commerce

No. 455.—NET TONNAGE OF VESSELS CLEARED IN FOREIGN TRADE: By CLASSES

[All figures except number of vessels and percentages in thousands of net tons. See headnote, Table 452]

Yearly average or year	Number of vessels, all ports	All ports				Seaports				
		Total	American	Foreign	Percent American	All vessels	Sailing vessels	Steam vessels	With cargo	In ballast
1881-1890	32,159	16,473	3,450	13,023	20.9	13,719	5,363	8,356	12,795	924
1891-1900	31,902	22,463	5,038	17,425	22.4	19,021	3,818	15,203	17,514	1,507
1901-1905	33,863	30,551	6,812	23,739	22.3	24,633	2,621	22,012	22,460	2,173
1906-1910	33,897	37,192	8,282	28,910	22.3	29,156	1,850	27,306	26,768	2,388
1911-1915	38,790	48,015	12,512	35,503	26.1	35,055	1,654	34,301	32,827	3,128
1915-1920 ¹	42,687	53,647	23,000	30,643	42.9	40,137	2,057	38,080	34,851	6,285
1921-1925	40,120	66,653	29,554	37,099	44.3	53,758	984	52,594	42,233	11,345
1926-1930	44,082	79,760	30,709	49,051	38.5	64,441	467	63,973	52,581	11,860
1910-1914	37,583	46,579	11,590	34,989	24.9	34,965	1,620	33,345	32,024	2,941
1914-1920 ²	42,141	52,607	21,529	31,078	40.9	39,417	2,010	37,407	34,394	5,023
1919	39,974	51,257	24,992	26,265	48.8	40,751	1,819	38,932	34,689	6,062
1920	40,447	67,817	34,053	33,764	50.2	54,980	2,009	52,971	45,687	9,293
1921	39,553	62,065	30,181	32,484	48.2	50,423	1,218	49,205	39,985	10,438
1922	39,814	64,839	31,759	33,080	49.0	51,799	1,109	50,690	39,244	12,355
1923	40,256	66,624	27,932	38,692	41.9	53,215	1,035	52,180	42,398	10,817
1924	41,100	68,910	30,092	38,818	43.7	55,294	810	54,483	43,787	11,506
1925	40,379	70,229	27,808	42,421	39.6	57,160	746	56,414	45,750	11,410
1926	43,951	79,041	28,532	50,509	36.1	65,583	566	65,017	54,237	11,346
1927	43,619	75,440	29,793	45,647	39.5	59,759	526	59,233	49,419	10,340
1928	46,201	80,667	31,734	48,933	39.3	63,331	436	62,895	51,609	11,722
1929	44,837	82,343	31,927	50,416	38.8	67,030	422	66,608	54,132	12,898
1930	41,801	81,307	31,560	49,748	38.8	66,500	386	66,114	53,507	12,993
1931	35,368	73,501	26,854	46,647	36.5	61,204	238	60,966	49,805	11,399
1932	29,648	64,446	23,865	40,582	37.0	54,900	233	54,667	43,909	10,991
1933	27,157	61,287	22,434	38,853	36.6	52,083	180	51,903	43,197	8,886

Yearly average or year	Seaports—Continued					Northern border ports			
	American vessels		Foreign vessels		Percent American	Total	With cargo	American	Foreign
	Total	With cargo	Total	With cargo					
1881-1890	2,978	2,541	10,741	10,254	21.7	2,754	1,778	472	2,282
1891-1900	3,644	2,914	15,377	14,600	19.2	3,442	2,129	1,394	2,048
1901-1905	4,000	3,284	20,633	19,176	16.2	5,918	3,825	2,812	3,106
1906-1910	4,084	3,408	25,072	23,270	14.0	8,036	5,673	4,198	3,838
1911-1915	5,341	4,522	30,594	28,305	14.9	12,060	8,567	7,161	4,909
1915-1920 ¹	15,455	11,505	24,681	23,346	38.5	13,511	9,637	7,550	5,962
1921-1925	22,556	14,977	31,022	28,057	42.1	13,075	9,236	6,998	6,077
1926-1930	23,338	17,071	41,102	35,510	36.2	15,319	10,504	7,371	7,948
1910-1914	4,778	4,109	30,187	27,915	13.7	11,614	8,380	6,812	4,802
1914-1920 ²	14,171	10,611	25,245	23,783	36.0	13,190	9,279	7,358	5,832
1919	19,133	14,539	21,617	20,150	47.0	10,506	7,616	5,858	4,648
1920	27,875	20,188	27,106	25,499	50.7	12,837	9,365	6,179	6,658
1921	23,432	15,215	26,991	24,770	46.5	12,242	8,692	6,749	5,493
1922	23,755	14,743	28,044	24,501	45.9	13,040	9,234	8,004	5,036
1923	21,305	14,584	31,910	27,814	40.0	13,409	9,514	6,627	6,782
1924	22,896	15,397	32,397	32,398	41.4	13,616	9,933	7,195	6,421
1925	21,394	14,948	35,766	30,802	37.4	13,068	8,805	6,414	6,654
1926	22,234	15,838	43,349	38,399	33.9	13,458	9,241	6,298	7,160
1927	22,078	16,524	37,681	32,895	36.9	15,682	10,656	7,716	7,966
1928	23,180	16,960	40,151	34,640	36.6	17,336	11,898	8,554	8,782
1929	25,045	18,347	41,985	35,795	37.4	15,313	10,917	6,883	8,431
1930	24,154	17,687	42,346	35,820	36.3	14,808	9,809	7,406	7,402
1931	21,417	16,732	39,787	33,073	35.0	12,297	8,644	5,437	6,860
1932	20,204	16,072	34,695	27,838	36.8	9,547	6,799	3,660	5,886
1933	19,093	15,824	32,990	27,374	36.7	9,204	6,629	3,340	5,864

¹ Average for period July 1, 1915, to Dec. 31, 1920.² Average for period July 1, 1914, to Dec. 31, 1920.

Source. Bureau of Foreign and Domestic Commerce.

No. 456.—NET TONNAGE OF VESSELS ENTERED AND CLEARED AT SEA-PORTS IN FOREIGN TRADE: BY COUNTRIES OF ORIGIN AND DESTINATION

NOTE.—In thousands of net tons Only traffic by sea is included First two columns cover years ended June 30, third column the period July 1, 1914, to Dec. 31, 1920, the others, calendar years For definition of net tonnage see general note, p. 378

Country	1900- 1909, average	1910- 1914, average	1914- 1920, average	1921- 1925, average	1926- 1930, average	1931	1932	1933
Total by sea:								
Entered.....	26,382	35,212	37,604	52,959	63,768	60,427	55,228	51,564
Cleared.....	26,206	34,985	36,417	53,578	64,441	61,204	54,900	52,083
Belgium:								
Entered.....	905	955	392	1,231	1,560	1,221	1,116	1,078
Cleared.....	901	1,039	452	1,190	1,250	1,126	970	980
Denmark:								
Entered.....	184	297	373	372	532	550	445	425
Cleared.....	352	305	408	450	686	588	389	393
France:								
Entered.....	611	1,047	2,251	1,953	2,321	2,114	1,890	2,090
Cleared.....	1,062	1,453	3,345	2,250	2,475	2,340	2,181	2,711
Germany								
Entered.....	2,384	3,113	290	2,998	3,813	4,235	4,349	3,779
Cleared.....	2,773	3,474	298	3,165	3,714	4,004	3,546	3,241
Italy								
Entered.....	1,097	1,305	2,171	1,707	2,101	1,892	1,918	2,032
Cleared.....	1,003	1,662	2,489	1,986	2,023	1,768	1,674	2,006
Netherlands.								
Entered.....	846	1,169	1,291	1,654	2,081	1,515	1,268	1,382
Cleared.....	1,206	1,521	1,459	1,464	1,499	1,176	1,088	1,015
Norway.								
Entered.....		193	521	384	360	296	384	441
Cleared.....		159	830	412	361	289	256	237
Spain								
Entered.....	453	724	838	608	850	730	566	656
Cleared.....	265	337	490	463	612	531	509	562
Sweden								
Entered.....		68	240	504	681	747	640	698
Cleared.....		66	440	353	498	462	384	339
United Kingdom:								
Entered.....	7,440	7,238	8,765	9,378	10,614	7,569	6,022	5,478
Cleared.....	7,153	7,162	8,164	8,647	10,577	7,643	6,179	5,626
Canada:								
Atlantic coast—								
Entered.....	1,355	1,479	1,092	1,201	1,607	2,385	2,192	2,159
Cleared.....	1,454	1,594	1,007	1,331	1,709	2,304	2,133	2,063
British Columbia, Yukon—								
Entered.....	1,508	2,539	3,117	4,571	6,619	7,719	6,574	6,406
Cleared.....	1,509	2,589	3,094	4,573	6,566	7,735	6,579	6,779
Central America:								
Entered.....	799	1,879	1,595	1,734	2,391	2,417	2,268	2,223
Cleared.....	830	2,121	1,610	1,640	2,692	3,048	2,545	2,629
Mexico								
Entered.....	856	1,789	3,788	8,160	2,840	1,623	1,693	1,363
Cleared.....	745	1,847	3,727	8,391	2,892	1,821	1,806	1,687
British West Indies and Brit- ish Honduras.								
Entered.....	1,001	1,038	564	1,351	1,975	3,385	3,565	2,522
Cleared.....	982	1,181	642	1,435	2,216	3,587	3,743	2,992
Cuba:								
Entered.....	2,018	3,030	3,450	4,769	5,875	5,988	6,186	5,576
Cleared.....	1,766	2,449	3,560	4,659	5,832	5,823	6,044	5,428
Dominican Republic:								
Entered.....	111	179	345	380	713	614	810	765
Cleared.....	94	200	404	449	920	815	1,045	976
Haiti:								
Entered.....	106	123	108	105	220	190	157	191
Cleared.....	81	124	186	230	204	200	194	170
Argentina:								
Entered.....	207	792	633	1,006	966	540	411	370
Cleared.....	328	619	762	707	997	592	319	188
Brazil								
Entered.....	587	1,131	550	552	918	881	744	756
Cleared.....	253	558	841	913	1,252	925	855	866
Chile								
Entered.....	206	462	853	975	1,387	796	263	331
Cleared.....	138	327	797	793	1,058	642	221	430
Colombia:								
Entered.....	195	199	231	144	958	1,029	1,144	1,174
Cleared.....	172	196	213	225	960	919	1,054	967
British East Indies:								
Entered.....	238	329	347	576	833	834	668	355
Cleared.....	107	131	204	330	428	460	293	57

No. 456.—NET TONNAGE OF VESSELS ENTERED AND CLEARED AT SEAPORTS IN FOREIGN TRADE: BY COUNTRIES OF ORIGIN AND DESTINATION—Contd.

Country	1900- 1909, average	1910- 1914, average	1914- 1920, average	1921- 1925, average	1926- 1930, average	1931	1932	1933
China, Hong Kong, and Kwantung:								
Entered.....	346	442	519	959	1,044	1,124	784	772
Cleared.....	389	391	479	963	894	897	504	520
Japan:								
Entered.....	441	646	733	1,607	2,320	1,912	1,753	1,911
Cleared.....	351	542	796	2,106	3,284	3,650	3,458	3,440
Philippine Islands								
Entered.....	63	85	132	408	611	801	1,032	1,080
Cleared.....	93	144	124	359	503	398	365	484
Oceania:								
Entered.....	256	238	379	509	931	754	743	768
Cleared.....	413	534	567	946	1,396	803	895	795
All other countries:								
Entered.....	2,117	2,725	2,004	3,165	6,649	6,566	5,614	4,753
Cleared.....	1,788	2,240	1,938	3,149	6,913	6,658	5,366	4,499

No. 457.—NET TONNAGE OF VESSELS ENTERED AND CLEARED AT SEAPORTS IN FOREIGN TRADE: BY NATIONALITY OF VESSEL

NOTE.—In thousands of net tons. Only traffic by sea and to and from foreign countries is included. The large trade with Canada on the Great Lakes and the St. Lawrence is handled about equally by vessels of the United States and of the British (Canadian) flag. See Tables 454 and 455 in which the columns for northern border represent trade with Quebec and Ontario. For periods covered see note, Table 456

	1900- 1909, average	1910- 1914, average	1914- 1920, average	1921- 1925, average	1926- 1930, average	1931	1932	1933
Total by sea:								
Entered.....	26,362	35,212	37,604	52,959	63,768	60,427	55,229	51,564
Cleared.....	26,206	34,965	39,417	53,578	64,441	61,204	54,900	52,083
American								
Entered.....	4,044	4,753	13,327	22,526	23,182	21,499	20,643	19,051
Cleared.....	4,023	4,778	14,171	22,556	23,338	21,417	20,204	19,093
Total foreign.								
Entered.....	22,318	30,459	24,276	30,433	40,586	38,929	34,586	32,513
Cleared.....	22,182	30,186	25,245	31,022	41,102	39,787	34,695	32,990
Belgian								
Entered.....	262	412	269	332	374	329	229	235
Cleared.....	269	404	283	343	370	320	241	228
British								
Entered.....	13,564	17,901	14,168	16,807	20,189	17,618	15,565	13,714
Cleared.....	13,422	17,814	14,755	17,064	20,291	17,974	15,485	14,012
Danish								
Entered.....	398	472	774	929	1,136	1,030	815	827
Cleared.....	398	450	795	928	1,168	1,029	831	852
Dutch:								
Entered.....	667	1,004	1,007	1,300	1,798	1,974	1,502	1,307
Cleared.....	661	1,007	1,055	1,292	1,809	1,986	1,498	1,291
French								
Entered.....	636	997	876	1,492	1,870	1,752	1,556	1,601
Cleared.....	642	990	919	1,518	1,905	1,728	1,623	1,589
German								
Entered.....	3,160	4,362	107	847	2,654	3,660	3,486	3,333
Cleared.....	3,171	4,300	79	870	2,736	3,702	3,484	3,354
Italian:								
Entered.....	542	821	1,211	1,490	2,175	1,808	1,824	2,094
Cleared.....	538	850	1,366	1,569	2,150	1,822	1,725	2,089
Japanese								
Entered.....	127	353	1,099	2,059	2,618	2,526	2,287	2,372
Cleared.....	107	244	1,046	2,235	2,741	2,734	2,442	2,468
Norwegian								
Entered.....	1,941	2,679	2,744	2,817	4,026	3,999	3,572	3,729
Cleared.....	1,946	2,684	2,822	2,784	4,136	4,180	3,637	3,822
Spanish:								
Entered.....	424	413	606	480	571	497	434	421
Cleared.....	420	398	637	487	586	492	422	431
Swedish								
Entered.....	62	70	353	564	985	1,050	993	959
Cleared.....	65	70	367	566	1,005	1,080	987	927
All other foreign								
Entered.....	535	975	1,062	1,317	2,190	2,686	2,323	1,921
Cleared.....	542	977	1,122	1,366	2,206	2,740	2,320	1,927

Source of Tables 456 and 457 Bureau of Foreign and Domestic Commerce.

No. 458.—EXPORTS (INCLUDING REEXPORTS) AND IMPORTS OF MERCHANDISE: VALUE, BY METHOD OF CARRIAGE

NOTE.—All figures except percentages expressed in millions of dollars. Figures cover fiscal years ended Sept 30, 1830 and 1840, and June 30, 1850 to 1915, calendar years thereafter

Yearly average or year	Exports (including reexports)					Imports					Water borne—percent in American vessels	
	Total	Total by water	In American vessels	In foreign vessels	By cars, aircraft, etc. ¹	Total	Total by water	In American vessels	In foreign vessels	By cars, aircraft, etc. ¹	Exports	Imports
1830 ¹	74	74	64	10	(*)	71	71	66	5	(*)	86 6	93.1
1840 ¹	132	132	106	27	(*)	107	107	93	14	(*)	80.0	87 6
1850 ¹	152	152	100	52	(*)	178	178	140	39	(*)	65 5	78.4
1860 ¹	400	400	279	121	(*)	362	362	228	134	(*)	70 0	63 0
1870 ¹	451	451	170	281	(*)	462	462	153	309	(*)	37 7	33.1
1871-1875 ¹	586	578	157	422	8	599	584	170	414	16	27 1	35 1
1876-1880 ¹	711	704	142	562	7	514	501	147	364	13	20 2	29 3
1881-1885.....	792	773	100	673	19	667	646	130	517	21	12 9	20 1
1886-1890.....	738	714	76	638	25	717	685	122	563	33	10 6	17 8
1891-1895.....	892	851	73	778	42	785	748	125	623	38	8 6	16 7
1896-1900.....	1,157	1,079	78	1,001	79	742	706	101	604	36	7 2	14 4
1901-1905.....	1,454	1,316	97	1,218	138	972	909	122	787	63	7 4	13.5
1906-1910.....	1,779	1,576	128	1,448	203	1,345	1,262	159	1,103	83	8 1	12 6
1911-1915.....	2,371	2,049	187	1,862	322	1,712	1,590	198	1,392	123	9 1	12 5
1915-1920 ⁴	6,515	5,712	1,556	4,156	803	3,358	2,961	978	1,984	397	27.2	33.0
1921-1925.....	4,397	3,788	1,405	2,383	609	3,450	3,013	978	2,035	437	37.1	32.5
1926-1930.....	4,777	3,983	1,382	2,600	795	4,033	3,509	1,129	2,380	524	34 7	32 2
1921.....	4,485	3,888	1,402	2,486	597	2,509	2,187	765	1,422	1,322	36 1	35 0
1922.....	3,832	3,281	1,261	2,020	551	3,113	2,704	921	1,783	409	38 4	34 1
1923.....	4,168	3,539	1,358	2,181	629	3,792	3,312	1,040	2,272	481	38 4	31 4
1924.....	4,591	4,010	1,532	2,478	1,581	3,610	3,145	1,012	2,133	466	38 2	32 1
1925.....	4,910	4,224	1,473	2,751	086	4,227	3,716	1,151	2,565	510	34 9	31 0
1926.....	4,809	4,050	1,401	2,649	759	4,431	3,891	1,195	2,696	540	34 6	30 7
1927.....	4,865	4,067	1,434	2,633	708	4,185	3,662	1,215	2,447	523	35 0	33 2
1928.....	5,128	4,277	1,472	2,804	851	4,091	3,550	1,138	2,418	541	34 4	31 9
1929.....	5,241	4,322	1,487	2,835	920	4,399	3,807	1,205	2,602	592	34 4	31 6
1930.....	3,843	3,168	1,117	2,051	675	3,061	2,635	898	1,737	426	35 3	34 1
1931.....	2,424	2,043	732	1,311	382	2,091	1,829	619	1,210	262	35 8	33 8
1932.....	1,611	1,385	476	909	226	1,323	1,164	431	724	158	34 4	37 0
1933.....	1,675	1,471	515	956	204	1,450	1,287	461	826	162	35 0	35 8

TOTAL WATER-BORNE EXPORTS AND IMPORTS COMBINED

Yearly average or year	Total	In American vessels	In foreign vessels	Per cent in American vessels	Yearly average or year	Total	In American vessels	In foreign vessels	Per cent in American vessels
1830 ¹	145	130	15	89 7	1921-1925.....	6,801	2,383	4,418	35 0
1840 ¹	239	198	41	82 3	1926-1930.....	7,492	2,511	4,980	33 5
1850 ¹	330	239	91	72 5	1921.....	6,075	2,167	3,908	35 7
1860 ¹	762	507	255	66 5	1922.....	5,985	2,183	3,803	36 5
1870 ¹	913	323	590	35 6	1923.....	6,850	2,398	4,453	35.0
1871-1875 ¹	1,162	326	835	30 6	1924.....	7,155	2,544	4,611	35.7
1876-1880 ¹	1,206	289	917	23 9	1925.....	7,940	2,624	5,316	33.0
1881-1885.....	1,419	229	1,190	16 2	1926.....	7,941	2,596	5,345	34.0
1886-1890.....	1,398	198	1,200	14 1	1927.....	7,759	2,649	5,110	34 1
1891-1895.....	1,598	198	1,400	12 4	1928.....	7,827	2,605	5,222	33 3
1896-1900.....	1,784	179	1,605	10 0	1929.....	8,129	2,092	5,437	33.1
1901-1905.....	2,225	220	2,005	9 9	1930.....	5,803	2,015	3,788	34 7
1906-1910.....	2,838	287	2,552	10 1	1931.....	3,871	1,351	2,520	34 9
1911-1915.....	3,639	385	3,254	10 6	1932.....	2,549	907	1,643	35 6
1915-1920 ⁴	8,673	2,534	6,140	29 2	1933.....	2,758	976	1,782	35 4

¹ Exports include parcel post beginning 1924; imports, beginning 1921.

² Includes gold and silver coin and bullion to 1879, inclusive.

³ Included in American and foreign vessels.

⁴ Average for period July 1, 1915, to Dec 31, 1920

Source. Bureau of Foreign and Domestic Commerce.

22.—FOREIGN COMMERCE OF THE UNITED STATES

All statistics of foreign commerce in this section are compiled in the Bureau of Foreign and Domestic Commerce, Department of Commerce. Specie values are shown for all years through 1932, except as noted. Figures for 1933 in all tables are dollar currency values. The geographic area covered by these statistics, except as noted, is the United States customs area which includes Alaska, Hawaii, and Porto Rico. See headnote, Table 484. Other explanations of the trade tables are given in the introduction to the Annual Foreign Commerce and Navigation of the United States]

No. 459.—SUMMARY OF FOREIGN TRADE OF THE UNITED STATES

NOTE.—Figures for 1911-1915 cover fiscal years, thereafter calendar years are shown

[All figures in thousands of dollars]

	1911-1915, average	1915-1920, ¹ average	1921-1925, average	1926-1930, average	1931	1932	1933
Merchandise							
Exports	2,370,539	6,521,190	4,397,026	4,777,313	2,424,289	1,611,016	1,674,994
United States merchandise	2,331,648	6,416,513	4,310,221	4,687,789	2,377,982	1,576,151	1,647,220
Reexports of foreign merchandise	38,891	104,677	86,805	89,526	46,307	34,865	27,774
General imports	1,712,319	3,358,354	3,450,103	4,033,489	2,090,635	1,322,774	1,449,559
Excess of exports	658,220	3,162,836	946,924	743,845	333,654	288,242	225,435
Gold							
Exports	83,173	233,248	82,739	222,094	466,794	809,528	366,652
United States gold	81,151	255,867	81,183	220,373	466,774	796,043	286,014
Foreign gold	2,022	7,382	1,557	1,721	20	13,485	80,638
Imports	85,989	382,022	347,425	255,528	612,119	363,315	193,197
Excess of exports (+) or imports (-)	-2,796	-148,773	-264,686	-33,434	-145,325	+446,213	+173,455
Silver							
Exports	61,432	143,447	79,174	78,568	26,485	13,850	19,041
United States silver	56,864	127,414	52,662	61,118	21,719	10,205	14,178
Foreign silver	4,568	16,034	26,512	17,448	4,766	3,645	4,863
Imports	38,739	64,217	69,409	59,898	28,664	19,650	60,225
Excess of exports (+) or imports (-)	+22,693	+79,231	+9,765	+18,668	-2,179	-5,800	-41,184
Excess of exports (+) or imports (-) of merchandise, gold and silver	+678,117	+3,083,293	+692,003	+729,078	+186,150	+728,655	+357,706
Imports of merchandise for consumption	1,698,029	3,288,839	3,422,748	4,020,350	2,088,455	1,325,093	1,433,013
Entered for immediate consumption	1,518,447	3,075,230	3,050,279	3,602,947	1,881,011	1,197,903	1,253,651
Withdrawn from warehouse	179,582	213,609	372,469	417,403	207,444	127,190	179,362
Free	966,141	2,262,412	2,088,932	2,645,610	1,391,693	885,536	903,547
Dutiable	731,887	1,028,245	1,333,816	1,374,740	696,762	439,557	529,466
Per cent free	56.89	68.79	61.03	65.81	66.64	66.83	63.05
Duties calculated	283,408	227,035	478,911	550,743	370,771	259,600	283,681
Ratio of duties to total imports for consumption, per cent	16.69	6.90	13.99	13.70	17.75	19.59	19.80
Ratio to dutiable imports	38.72	22.08	35.90	40.06	53.21	59.06	53.58
Entered for warehouse	193,872	283,124	399,824	430,521	209,624	124,870	195,908

¹ Period July 1, 1915, to Dec. 31, 1920.

No. 460.—PRODUCTION OF EXPORTABLE GOODS AND PROPORTION EXPORTED

NOTE.—Agricultural production prior to 1909 is the estimated value of farm products, excluding crops fed to livestock, beginning 1909 it is gross income, excluding feed, seed, and waste. Value added by manufacture represents manufactures. Value of mine products in 1909 and 1919 are census figures, in 1929 census data plus petroleum products, while estimates for other years are based on data of the Bureau of Mines. As the figures are not adjusted for price changes the increase or decrease in absolute values from period to period should be disregarded.

[Amounts in millions of dollars]

Year	Agricultural products	Manufactures	Mining	Freight receipts (railroad)	Total	Exports, United States merchandise	Per cent of total
1899.....	3,355	4,831	600	1,981	9,767	1,253	12.8
1904.....	4,262	6,179	850	1,415	12,706	1,426	11.2
1909.....	6,238	8,385	1,238	1,801	17,662	1,701	9.6
1919.....	16,935	24,809	3,158	3,625	48,527	7,750	16.0
1921.....	8,927	18,332	2,900	4,001	34,163	4,379	12.8
1923.....	11,041	25,850	4,300	4,712	45,903	4,091	8.9
1925.....	11,998	26,778	4,100	4,648	47,494	4,819	10.1
1927.....	11,616	27,585	4,000	4,729	47,930	4,759	9.9
1929.....	11,941	31,885	4,190	4,800	52,825	5,157	9.8
1931.....	6,963	19,867	2,200	3,302	32,337	2,378	7.4

¹ Mean of preceding and following fiscal year

No. 461.—EXPORT OF MANUFACTURED GOODS IN RELATION TO TOTAL PRODUCTION

NOTE.—The value of materials, excluding duplication, is necessarily an approximation and hence is expressed as a maximum and minimum. As the figures are not adjusted for price changes, the absolute increase or decrease from period to period should be disregarded.

[Amounts in millions of dollars]

Year	Value of product			Exports of United States merchandise	
	Materials, excluding duplication	Value added by manufacture	Total net value	Amount	Per cent
All manufactures					
1899.....	2,300-2,800	4,831	7,100-7,600	¹ 745	9.8-10.5
1909.....	4,300-5,200	8,385	12,700-13,600	¹ 1,090	7.4-7.9
1914.....	5,300-6,500	9,710	15,000-16,200	¹ 1,505	9.3-10.0
1919.....	12,500-14,500	24,809	37,300-39,300	5,449	13.9-14.6
1921.....	8,000-9,400	18,332	26,300-27,700	2,722	9.8-10.3
1923.....	11,500-13,200	25,850	37,350-39,050	2,625	6.7-7.0
1925.....	11,900-13,600	26,778	38,700-40,400	3,079	7.6-8.0
1927.....	11,750-12,450	27,585	39,300-41,000	3,145	7.7-8.0
1929.....	14,700-16,000	31,885	46,600-47,900	3,745	7.8-8.0
1931.....	6,800-8,200	19,867	26,700-28,100	1,684	6.0-6.3
Foodstuffs manufactures					
1899.....	1,300-1,500	445	1,700-1,900	¹ 312	16.4-18.4
1909.....	2,200-2,700	816	3,000-3,500	¹ 281	8.0-9.4
1914.....	2,700-3,300	1,071	3,800-4,400	¹ 374	8.5-9.8
1919.....	7,100-8,300	2,496	9,600-10,800	1,963	18.2-20.4
1921.....	4,100-4,800	2,444	6,200-6,900	685	9.9-11.0
1923.....	4,750-5,500	2,523	7,300-8,000	583	7.3-8.0
1925.....	5,300-6,100	2,670	8,000-8,800	574	6.5-7.2
1927.....	5,500-6,300	2,902	8,400-9,200	463	5.0-5.5
1929.....	6,000-6,800	3,391	9,400-10,200	484	4.7-5.1
1931.....	(²)	2,721	(²)	247	(²)
Other manufactures					
1899.....	1,000-1,300	4,386	5,400-5,700	¹ 433	7.6-8.0
1909.....	2,100-2,500	7,569	9,700-10,100	¹ 719	7.1-7.4
1914.....	2,600-3,200	8,639	11,200-11,800	¹ 1,131	9.6-10.1
1919.....	5,400-6,200	22,313	27,700-28,500	3,486	12.2-12.6
1921.....	3,900-4,600	16,188	20,100-20,800	2,037	9.8-10.1
1923.....	6,750-7,700	23,317	30,100-31,000	2,042	6.6-6.8
1925.....	6,600-7,500	24,108	30,700-31,600	2,505	7.9-8.2
1927.....	6,250-7,150	24,683	30,900-31,800	2,682	8.4-8.7
1929.....	8,700-9,200	28,494	37,200-37,700	3,261	8.6-8.8
1931.....	(²)	17,146	(²)	1,437	(²)

¹ Mean of preceding and following fiscal year.

² Not available.

No. 462.—INDEXES OF CHANGES IN QUANTITY, UNIT VALUE (PRICE), AND TOTAL VALUE OF EXPORTS OF UNITED STATES MERCHANDISE AND GENERAL IMPORTS

NOTE.—The purpose of these indexes is to determine the change in the volume of foreign trade and the broad movements of prices. The quantity and unit value indexes have been constructed by the so-called "ideal formula", the essential feature of which is the use of the quantities of the several articles as weighting factors of their unit values for each pair of years compared. About 265 commodities were included in the direct calculations for both exports and imports. It was then assumed that the prices of articles in each economic class not directly covered had moved in parallel with those of articles covered and their value, adjusted by the computed price index, was included in the aggregate totals from which the quantity index for each class was calculated. The index of quantity and unit value of total exports and imports was based on the aggregate of the adjusted totals of the classes. In constructing the indexes the data for 1919 were linked directly to 1913, and each subsequent year was compared with that preceding. The resulting year-to-year percentages were made into a series by the chain method

[1923-1925 average=100]

Yearly average or year	Exports of United States merchandise											
	Total			Crude materials			Crude foodstuffs			Manufactured foodstuffs		
	Quantity	Unit value	Value	Quantity	Unit value	Value	Quantity	Unit value	Value	Quantity	Unit value	Value
1913.....	84	65	55	123	47	59	81	65	53	73	76	56
1921-1925.....	97	99	97	99	91	90	135	97	130	105	99	104
1926-1930.....	122	86	105	121	70	86	99	92	93	81	97	79
1921.....	96	102	98	108	68	74	206	101	209	114	104	119
1922.....	89	94	84	87	85	75	187	85	142	110	92	102
1923.....	91	101	92	84	108	91	93	85	80	107	94	101
1924.....	102	99	101	99	101	101	122	100	122	105	94	99
1925.....	107	100	108	118	91	108	85	115	99	88	112	99
1926.....	116	92	105	134	70	95	105	99	104	81	107	87
1927.....	124	86	106	130	69	90	131	99	130	81	99	80
1928.....	128	88	113	124	78	98	98	93	91	84	96	81
1929.....	132	87	115	113	76	86	94	89	84	87	96	84
1930.....	109	78	85	106	59	63	69	80	55	71	88	63
1931.....	89	60	53	107	40	43	71	55	39	62	68	43
1932.....	69	51	35	115	34	39	59	47	28	50	52	26
1933.....	69	54	37	113	39	45	32	46	15	49	55	27

	Exports of United States merchandise						General imports					
	Semimanufactures			Finished manufactures			Total			Crude materials		
	Quantity	Unit value	Value	Quantity	Unit value	Value	Quantity	Unit value	Value	Quantity	Unit value	Value
1913.....	91	72	65	65	73	48	66	70	46	58	72	42
1921-1925.....	88	100	88	91	107	96	94	94	89	96	90	88
1926-1930.....	113	95	108	143	91	130	117	90	104	117	87	101
1921.....	64	105	67	78	128	99	74	88	65	81	72	58
1922.....	77	93	72	75	105	79	96	84	80	101	80	80
1923.....	91	101	92	90	101	90	99	99	98	101	95	96
1924.....	103	97	100	98	99	97	97	96	93	93	92	86
1925.....	106	102	108	113	100	113	104	105	109	105	113	119
1926.....	106	101	107	119	101	120	112	102	114	109	112	122
1927.....	121	95	114	133	91	121	113	95	108	116	94	109
1928.....	124	94	117	154	90	138	115	92	106	116	86	100
1929.....	119	100	119	174	89	155	131	87	114	133	80	106
1930.....	97	87	84	137	85	116	111	71	79	108	63	68
1931.....	73	71	52	100	68	68	98	55	54	102	43	44
1932.....	55	58	32	61	62	38	79	43	34	81	30	24
1933.....	64	60	39	64	59	38	86	43	37	91	31	28

	General imports											
	Crude foodstuffs			Manufactured foodstuffs			Semimanufactures			Finished manufactures		
	Quantity	Unit value	Value	Quantity	Unit value	Value	Quantity	Unit value	Value	Quantity	Unit value	Value
1913.....	67	77	52	74	54	40	64	75	48	84	64	54
1921-1925.....	98	91	89	98	94	91	87	98	86	93	100	93
1926-1930.....	109	109	119	119	68	80	112	96	107	123	93	114
1921.....	95	74	70	74	101	74	51	101	51	75	107	80
1922.....	94	82	77	110	71	78	85	92	78	90	96	86
1923.....	103	82	85	90	119	107	100	101	101	100	99	100
1924.....	102	98	99	99	107	105	95	97	92	101	96	97
1925.....	97	120	116	118	74	87	105	101	106	99	104	103
1926.....	107	119	126	122	69	84	112	101	113	114	99	114
1927.....	107	111	118	111	82	91	105	100	106	120	95	114
1928.....	108	120	129	112	73	82	113	95	107	118	100	117
1929.....	112	113	126	137	63	88	127	84	128	141	91	129
1930.....	113	83	94	114	52	59	102	84	86	121	81	98
1931.....	109	65	71	97	46	45	79	67	52	103	69	71
1932.....	99	55	54	92	38	35	57	53	31	79	56	44
1933.....	99	50	50	104	40	41	73	57	41	79	53	42

No. 463.—GOLD¹ UNDER EARMARK FOR FOREIGN ACCOUNT IN THE UNITED STATES

NOTE.—All figures in thousands of dollars. Gold under earmark is gold placed by a bank in the custody of its foreign correspondent but segregated and marked so as to indicate that the identical coins or bars earmarked are the bank's property and altogether subject to its disposal. The first transaction occurred Mar. 21, 1916. Amount under earmark at the end of December, 1916, was \$6,097,000 and at the end of December 1917 and 1918, \$6,942,000, and at the end of December 1919, \$5,000,000.

Year	Increase or decrease during year of gold under earmark ²	Month	Amount under earmark at end of month					
			1925	1929	1930	1931	1932	1933
1920.....	+17,000	January.....	193,919	144,898	³ 134,794	125,795	433,149	92,552
1921.....	-22,000	February.....	191,051	144,898	³ 134,794	123,295	406,761	270,837
1922.....	+3,700	March.....	155,251	137,391	119,795	120,295	348,469	370,929
1923.....	-700	April.....	109,511	88,821	119,295	127,795	314,501	337,228
1924.....	+42,213	May.....	136,050	72,694	117,295	123,795	306,650	315,114
1925.....	-32,244	June.....	105,997	80,207	115,295	31,531	395,447	311,569
1926.....	+26,297							
1927.....	+160,153	July.....	45,050	102,194	118,295	61,231	339,210	227,099
1928.....	-119,522	August.....	39,134	103,194	118,295	77,231	238,709	147,632
1929.....	+55,398	September.....	40,334	109,795	114,303	356,321	166,421	98,326
1930.....	+2,400	October.....	39,134	114,296	120,410	463,931	120,646	71,459
1931.....	+320,839	November.....	64,136	113,292	³ 122,536	435,621	72,080	70,859
1932.....	-384,840	December.....	79,897	135,295	137,695	458,534	73,694	59,079
1933.....	-14,615							

¹ Gold bullion (bars) and United States gold coin.

² Increase is the equivalent of net export and decrease the equivalent of net import.

³ Revised.

Source Federal Reserve Board.

No. 464.—MERCHANDISE TRADE OF CONTINENTAL UNITED STATES WITH FOREIGN COUNTRIES AND OUTLYING TERRITORIES AND POSSESSIONS

IMPORTANT NOTE.—This table differs as to its geographic basis from all other foreign trade tables in this section and in other publications. (1) In the case of other tables the data represent the trade of the "customs area," which includes continental United States, Alaska, Hawaii, and Puerto Rico, with all foreign countries, including the Philippine and Virgin Islands. The data do not cover trade between continental United States and the three territories of Alaska, Hawaii, and Puerto Rico. (2) The present table takes continental United States as the basis. In the totals, trade between it and Alaska, Hawaii, and Puerto Rico is included while the trade of these three Territories with foreign countries is excluded. Trade of continental United States with Guam and American Samoa is also included. Practically all other nations calculate their foreign trade in the manner followed in the present table, that is, totaling the trade of the home country with foreign countries and with all outlying areas. Prior to 1901 Alaska was our only outlying area. Therefore, our foreign trade statistics for 1900 and earlier years very nearly represent the trade of continental United States with foreign countries. Data are for years ended June 30, through 1918; thereafter, for years ended Dec 31.

[All figures in thousands of dollars]

Yearly average or year	Exports ¹			Imports		
	Total	To foreign countries	To U. S. Territories and possessions	Total	From foreign countries	From U. S. Territories and possessions
1903-1905.....	1,495,616	1,456,132	39,484	1,090,764	1,026,341	64,423
1906-1910.....	4,333,286	1,761,625	67,661	1,410,329	1,324,594	85,734
1911-1915.....	2,441,264	2,337,591	103,664	1,811,234	1,681,207	130,027
1915-1920 ²	6,656,126	6,452,539	203,587	3,596,084	3,274,496	321,588
1921-1925.....	4,552,355	4,335,341	217,114	3,650,280	3,351,378	298,902
1926-1930.....	4,961,994	4,694,605	267,488	4,270,498	3,896,506	373,992
1922.....	3,963,077	3,780,020	183,057	3,282,296	3,035,381	246,915
1923.....	4,333,736	4,109,344	224,386	4,010,641	3,697,607	313,034
1924.....	4,761,644	4,521,219	240,425	3,832,148	3,494,159	337,989
1925.....	5,083,287	4,838,565	244,722	4,455,787	4,090,887	364,900
1926.....	4,991,768	4,729,811	261,957	4,669,318	4,303,302	366,016
1927.....	5,056,956	4,785,482	271,474	4,421,181	4,047,124	374,057
1928.....	5,311,007	5,038,693	272,314	4,349,314	3,951,050	398,264
1929.....	5,425,699	5,147,086	278,613	4,625,145	4,251,077	374,068
1930.....	4,024,538	3,771,455	253,083	3,287,534	2,929,978	357,556
1931.....	2,582,237	2,370,469	211,768	2,307,185	1,967,340	319,845
1932.....	1,735,136	1,562,951	172,185	1,497,364	1,229,293	268,071
1933.....	1,802,246	1,626,845	175,401	1,641,059	1,344,933	296,126

¹ Including reexports of foreign merchandise

² Period July 1, 1915, to Dec 31, 1920

No. 465.—EXPORTS AND IMPORTS OF MERCHANDISE

NOTE.—All figures in thousands of dollars. Specie values except for 1933, dollar currency values for 1933. Figures are for fiscal years ended Sept. 30, 1791 to 1842, and June 30, 1843 to 1915, calendar years thereafter. For calendar years 1902-15 and fiscal years 1916-33, see table 467. For total exports and imports by years, prior to 1888, see Table 468. Figures include gold and silver prior to 1821. For data by months, see annual volumes and Monthly Summary of Foreign Commerce and Navigation.

Yearly average or year	Exports			General imports	Total exports and imports	Excess of exports (+) or imports (-)
	Total	U S merchandise	Reexports			
1791-1800.....	46, 774	27, 740	19, 034	59, 185	105, 959	-12, 411
1801-1810.....	74, 532	38, 178	36, 354	92, 766	167, 298	-18, 234
1811-1820.....	58, 989	46, 270	12, 719	80, 812	139, 801	-21, 823
1821-1830.....	69, 421	53, 221	16, 200	72, 949	142, 370	-3, 528
1831-1840.....	103, 550	88, 168	15, 382	119, 520	223, 070	-15, 970
1841-1850 ¹	122, 620	114, 894	7, 727	121, 123	243, 743	+1, 498
1851-1860.....	248, 887	232, 283	16, 604	284, 475	533, 362	-35, 588
1861-1865.....	187, 811	170, 198	17, 613	255, 439	443, 250	-67, 028
1866-1870.....	320, 842	307, 696	13, 146	408, 295	729, 137	-57, 453
1871-1875.....	501, 841	486, 128	15, 713	577, 873	1, 079, 714	-76, 032
1876-1880.....	676, 761	663, 650	13, 111	692, 570	1, 359, 331	+184, 191
1881-1885.....	791, 892	774, 607	17, 285	667, 142	1, 459, 034	+124, 750
1886-1890.....	738, 379	725, 685	12, 694	717, 231	1, 455, 610	+21, 148
1891-1895.....	892, 121	876, 328	16, 095	785, 137	1, 677, 558	+107, 284
1896-1900.....	1, 157, 318	1, 136, 039	21, 279	741, 519	1, 898, 837	+415, 799
1901-1905.....	1, 453, 803	1, 427, 020	26, 783	972, 162	2, 429, 965	+481, 641
1906-1910.....	1, 778, 697	1, 750, 980	27, 717	1, 344, 838	3, 123, 635	+433, 859
1911-1915.....	2, 370, 539	2, 331, 648	38, 891	1, 712, 319	4, 082, 858	+658, 220
1915-1920 ²	6, 521, 190	6, 416, 513	104, 677	3, 358, 354	9, 879, 545	+3, 162, 836
1921-1925.....	4, 397, 026	4, 310, 221	86, 805	3, 450, 103	7, 847, 129	+946, 924
1926-1930.....	4, 777, 313	4, 687, 788	89, 526	4, 033, 469	8, 810, 782	+743, 845
1889.....	742, 401	730, 282	12, 119	745, 132	1, 487, 533	-2, 731
1890.....	857, 829	845, 294	12, 535	789, 310	1, 647, 139	+68, 519
1891.....	884, 481	872, 270	12, 211	844, 916	1, 729, 397	+39, 565
1892.....	1, 030, 278	1, 015, 732	14, 546	827, 402	1, 857, 680	+202, 876
1893.....	847, 065	831, 031	16, 034	866, 401	1, 714, 066	-18, 736
1894.....	892, 141	869, 205	22, 936	654, 895	1, 547, 136	+237, 146
1895.....	807, 538	793, 393	14, 145	731, 970	1, 539, 508	+75, 568
1896.....	882, 607	863, 201	19, 406	779, 725	1, 662, 332	+102, 882
1897.....	1, 050, 994	1, 032, 008	18, 986	764, 730	1, 816, 724	+286, 264
1898.....	1, 231, 482	1, 210, 292	21, 190	616, 050	1, 847, 532	+615, 432
1899.....	1, 227, 023	1, 203, 931	23, 092	697, 148	1, 924, 171	+529, 875
1900.....	1, 394, 483	1, 370, 764	23, 719	849, 941	2, 244, 424	+544, 542
1901.....	1, 457, 765	1, 460, 463	27, 302	823, 172	2, 310, 937	+664, 592
1902.....	1, 311, 719	1, 355, 482	26, 237	903, 321	2, 285, 040	+478, 398
1903.....	1, 420, 142	1, 392, 232	27, 910	1, 025, 719	2, 445, 861	+394, 423
1904.....	1, 460, 827	1, 435, 179	25, 648	991, 087	2, 451, 914	+469, 740
1905.....	1, 518, 562	1, 491, 745	26, 817	1, 117, 513	2, 636, 075	+1, 041, 049
1906.....	1, 743, 865	1, 717, 954	25, 911	1, 226, 562	2, 970, 427	+517, 308
1907.....	1, 880, 851	1, 853, 718	27, 133	1, 434, 421	3, 315, 272	+446, 430
1908.....	1, 890, 773	1, 834, 786	25, 987	1, 194, 342	3, 055, 115	+666, 431
1909.....	1, 663, 011	1, 638, 356	24, 655	1, 311, 920	2, 974, 931	+351, 091
1910.....	1, 744, 985	1, 710, 084	34, 901	1, 556, 947	3, 301, 932	+188, 038
1911.....	2, 049, 320	2, 013, 549	35, 771	1, 527, 226	3, 576, 546	+522, 094
1912.....	2, 204, 322	2, 170, 320	34, 002	1, 653, 265	3, 857, 587	+551, 057
1913.....	2, 465, 884	2, 428, 506	37, 378	1, 813, 008	4, 278, 892	+652, 876
1914.....	2, 364, 579	2, 329, 684	34, 895	1, 893, 926	4, 258, 505	+707, 653
1915.....	2, 765, 589	2, 716, 178	52, 411	1, 674, 170	4, 442, 759	+1, 094, 419
1915 (6 months).....	1, 852, 863	1, 820, 393	32, 470	912, 787	2, 765, 650	+940, 076
1916.....	5, 482, 641	5, 422, 642	59, 999	2, 391, 635	7, 874, 276	+3, 091, 006
1917.....	6, 233, 513	6, 169, 817	63, 696	2, 652, 468	9, 185, 981	+3, 281, 045
1918.....	6, 149, 088	6, 047, 875	101, 213	3, 031, 213	9, 180, 301	+3, 117, 875
1919.....	7, 920, 426	7, 749, 816	170, 610	3, 904, 365	11, 824, 791	+4, 016, 061
1920.....	8, 228, 016	8, 080, 481	147, 535	5, 278, 481	13, 506, 497	+2, 949, 535
1921.....	4, 485, 031	4, 378, 928	106, 103	2, 509, 148	6, 994, 179	+1, 975, 883
1922.....	3, 831, 777	3, 765, 091	66, 686	3, 112, 747	6, 944, 524	+719, 030
1923.....	4, 167, 403	4, 090, 715	76, 688	3, 792, 066	7, 959, 559	+376, 427
1924.....	4, 500, 984	4, 497, 649	93, 335	3, 609, 963	8, 200, 947	+951, 021
1925.....	4, 909, 848	4, 818, 722	91, 125	4, 226, 589	9, 136, 437	+683, 258
1926.....	4, 808, 680	4, 711, 721	96, 959	4, 430, 888	9, 239, 548	+377, 772
1927.....	4, 865, 375	4, 758, 864	106, 512	4, 184, 742	9, 050, 117	+680, 633
1928.....	5, 128, 358	5, 030, 099	98, 258	4, 091, 444	9, 219, 800	+1, 036, 912
1929.....	5, 240, 965	5, 167, 083	83, 912	4, 399, 361	9, 640, 356	+841, 634
1930.....	3, 843, 181	3, 781, 172	62, 009	3, 060, 908	6, 904, 089	+782, 273
1931.....	2, 424, 280	2, 377, 982	46, 307	2, 090, 635	4, 514, 924	+333, 654
1932.....	1, 611, 016	1, 576, 151	34, 865	1, 322, 774	2, 933, 790	+288, 242
1933.....	1, 674, 994	1, 647, 220	27, 774	1, 449, 559	3, 124, 553	+225, 435

¹ Period beginning Oct. 1, 1841, and ending June 30, 1850.

² Period July 1, 1915, to Dec. 31, 1920.

No. 466.—EXPORTS AND IMPORTS OF GOLD, SILVER, AND OF MERCHANDISE, GOLD, AND SILVER COMBINED

NOTE.—All figures in thousands of dollars. As to periods covered see headnote, Table 465. Figures for gold and silver relate to coin and bullion only, prior to 1893, subsequently they include ore also. For data by months, see annual volumes and Monthly Summary of Foreign Commerce and Navigation.

Yearly average or year	Gold			Silver			Total merchandise, gold, and silver		
	Exports	Imports	Excess of exports (+) or imports (—)	Exports	Imports	Excess of exports (+) or imports (—)	Exports	Imports	Excess of exports (+) or imports (—)
1821-1830	(1)	(1)	(1)	17,154	16,914	+239	76,575	79,863	-3,288
1831-1840	2,154	3,394	-1,240	3,630	7,353	-3,723	109,234	130,268	-21,034
1841-1850	3,222	5,463	-2,241	3,443	3,443	+0	129,288	130,029	-741
1851-1860	46,372	3,762	+42,610	3,130	3,988	-858	298,399	292,226	+6,173
1861-1865	56,814	15,881	+40,933	3,961	3,172	+789	248,586	274,492	-25,906
1866-1870	50,462	12,030	+38,432	20,746	6,608	+14,138	392,040	426,932	-34,892
1871-1875	52,423	11,497	+40,926	31,915	9,673	+22,242	586,179	599,043	-12,864
1876-1880	15,040	26,790	-11,750	22,670	13,182	+9,488	714,470	532,542	+181,928
1881-1885	19,263	40,333	-21,070	22,739	12,108	+10,631	833,894	719,583	+114,311
1886-1890	29,651	26,163	+3,488	31,082	18,045	+13,037	799,112	761,430	+37,673
1891-1895	77,737	39,588	+38,149	38,777	18,935	+19,842	1,098,935	843,659	+255,276
1896-1900	50,793	74,492	-23,699	55,125	31,234	+23,891	1,266,236	847,245	+418,991
1901-1905	64,580	63,152	+1,428	51,318	28,807	+22,511	1,569,701	1,064,122	+505,579
1906-1910	74,500	89,283	-14,783	58,300	44,214	+14,086	1,911,497	1,478,365	+433,132
1911-1915	83,173	85,969	-2,796	61,432	38,730	+22,693	2,515,144	1,837,027	+678,117
1916-1920	233,248	382,022	-148,773	143,447	64,217	+79,231	6,897,886	3,804,593	+3,093,293
1921-1925	82,739	317,425	-234,686	70,174	69,409	+9,765	4,558,940	3,866,937	+692,003
1926-1930	222,094	255,528	-33,433	78,566	59,898	+18,668	5,077,974	4,348,894	+729,078
1889	59,952	10,285	+49,667	36,689	18,678	+18,011	839,043	774,095	+64,948
1890	17,274	12,943	+4,331	34,874	21,033	+13,841	909,977	823,287	+86,690
1891	86,363	18,233	+68,130	22,591	18,027	+4,564	993,434	881,176	+112,258
1892	90,105	49,699	+40,406	32,811	19,955	+12,856	1,113,284	897,057	+216,227
1893	108,681	21,174	+87,507	40,737	23,193	+17,544	997,063	910,769	+86,294
1894	76,978	72,449	+4,529	50,451	13,287	+37,164	1,019,570	740,730	+278,840
1895	66,468	36,385	+30,083	47,295	20,211	+27,084	921,302	788,566	+132,736
1896	112,410	33,525	+78,885	60,542	28,777	+31,765	1,055,559	842,027	+213,532
1897	40,362	85,015	-44,653	61,947	30,533	+31,414	1,153,302	880,278	+273,024
1898	15,406	120,392	-104,986	55,165	30,928	+24,237	1,301,994	767,669	+534,325
1899	37,522	88,955	-51,433	56,319	30,675	+25,644	1,320,864	816,778	+504,086
1900	45,267	44,573	+794	56,712	35,256	+21,456	1,499,462	929,771	+569,691
1901	53,185	66,051	-12,866	64,285	36,387	+27,898	1,605,235	925,610	+679,625
1902	48,569	52,021	-3,452	49,732	28,243	+21,500	1,480,021	983,574	+496,447
1903	47,091	44,982	+2,109	44,230	24,163	+20,067	1,511,483	1,094,865	+416,618
1904	81,460	99,055	-17,595	49,473	27,769	+21,704	1,591,760	1,117,812	+473,948
1905	92,594	53,649	+38,945	48,849	27,485	+21,364	1,690,005	1,198,647	+491,358
1906	38,574	96,222	-57,648	65,869	44,443	+21,426	1,848,367	1,367,227	+481,080
1907	51,399	114,510	-63,111	56,739	42,947	+13,792	1,988,989	1,591,878	+397,111
1908	72,433	148,337	-75,904	57,921	44,658	+13,263	1,991,127	1,387,337	+603,790
1909	91,532	44,004	+47,528	55,683	43,955	+11,728	1,810,226	1,399,879	+410,347
1910	118,563	43,340	+75,223	55,287	45,217	+10,070	1,918,835	1,645,505	+273,330
1911	22,510	73,607	-51,097	64,750	45,937	+18,813	2,136,580	1,646,770	+489,810
1912	67,328	48,937	+18,391	64,591	47,050	+17,541	2,326,541	1,740,252	+586,289
1913	77,763	69,194	+8,569	71,614	41,269	+30,345	2,615,261	1,923,471	+691,790
1914	112,039	66,539	+45,500	54,965	30,327	+24,638	2,531,583	1,990,791	+540,792
1915	146,224	171,569	-25,345	50,942	29,110	+21,832	2,965,756	1,874,849	+1,090,907
1915 (6 mos.)	23,843	307,030	-283,187	28,750	18,742	+10,008	1,905,456	1,638,559	+266,897
1916	155,793	685,990	-530,197	70,595	32,263	+38,332	5,709,029	3,109,889	+2,599,140
1917	371,884	552,454	-180,570	84,131	53,340	+30,791	6,689,527	3,538,263	+3,151,264
1918	41,070	62,043	-20,973	252,846	71,376	+181,470	6,443,004	3,164,631	+3,278,373
1919	338,185	76,634	+261,551	239,021	89,410	+149,611	8,527,632	4,070,369	+4,457,263
1920	322,091	417,068	-94,977	113,616	88,060	+25,556	8,663,724	5,783,610	+2,880,114
1921	23,891	691,248	-667,357	51,575	63,243	-11,668	4,560,497	3,263,639	+1,296,858
1922	36,875	275,170	-238,295	62,807	70,807	-7,999	3,931,459	3,458,724	+472,735
1923	28,643	322,716	-294,073	72,469	74,454	-1,985	4,288,605	4,189,236	+99,369
1924	61,648	139,721	-78,073	109,891	73,945	+35,946	4,762,623	4,003,628	+758,995
1925	202,640	128,272	+74,368	99,128	64,596	+34,532	5,271,615	4,419,458	+852,157
1926	115,708	213,504	-97,796	92,258	69,596	+22,662	5,016,626	4,713,988	+302,638
1927	201,455	207,535	-6,080	75,625	55,074	+20,551	5,142,455	4,447,351	+695,104
1928	560,759	168,897	+391,862	87,382	68,117	+19,265	5,776,497	4,328,458	+1,448,039
1929	116,583	291,649	-175,066	83,407	63,940	+19,467	5,440,985	4,754,950	+686,035
1930	115,967	396,054	-280,087	54,157	42,761	+11,396	4,013,303	3,499,723	+513,582
1931	466,794	612,119	-145,325	26,885	28,664	-2,179	2,917,668	2,731,418	+186,250
1932	809,528	363,815	+446,213	13,850	19,650	-5,800	2,434,394	1,705,739	+728,655
1933	366,652	193,197	+173,455	19,041	60,225	-41,184	2,060,687	1,702,981	+357,706

¹ Data shown under silver are for gold and silver. These were not shown separately prior to 1825.

² Period beginning Oct 1, 1841, and ending June 30, 1850.

³ Period July 1, 1915, to Dec 31, 1920.

No. 467.—SUPPLEMENT TO TABLES 465 AND 466: CALENDAR YEARS 1902 TO 1915, AND FISCAL YEARS ENDED JUNE 30, 1916 TO 1933

[All figures in thousands of dollars]

Year	Merchandise						
	Exports			General imports	Total exports and imports	Excess of exports (+) or imports (-)	
	Total	U. S. merchandise	Reexports				
1902.....	1,380,688	1,333,269	27,418	969,317	2,330,003	+391,369	
1903.....	1,484,753	1,457,647	27,106	995,494	2,480,247	+489,259	
1904.....	1,451,319	1,425,711	25,608	1,035,909	2,487,228	+415,410	
1905.....	1,626,991	1,599,423	27,568	1,179,145	2,806,136	+447,846	
1906.....	1,798,243	1,772,716	25,527	1,320,502	3,118,745	+477,742	
1907.....	1,923,426	1,895,356	28,070	1,423,170	3,346,596	+500,256	
1908.....	1,752,353	1,728,670	24,165	1,116,374	2,869,209	+636,461	
1909.....	1,728,199	1,700,722	27,477	1,475,521	3,203,720	+252,678	
1910.....	1,866,259	1,829,023	37,236	1,662,904	3,429,163	+303,355	
1911.....	2,092,527	2,058,413	34,114	1,532,359	3,624,886	+560,168	
1912.....	2,399,218	2,362,696	36,522	1,818,073	4,217,291	+581,145	
1913.....	2,484,018	2,448,284	35,734	1,792,596	4,276,614	+691,422	
1914.....	2,113,624	2,071,058	42,566	1,789,276	3,902,900	+324,348	
1915.....	3,554,671	3,493,281	61,440	1,778,597	5,333,268	+1,776,074	
1916.....	4,333,483	4,272,178	61,305	2,197,884	6,531,367	+2,135,599	
1917.....	6,290,048	6,227,104	62,884	2,659,355	8,949,403	+3,630,693	
1918.....	5,919,711	5,838,652	81,059	2,945,655	8,865,366	+2,974,056	
1919.....	7,232,283	7,081,462	150,821	3,095,720	10,328,003	+4,136,563	
1920.....	8,108,989	7,949,309	159,680	5,238,352	13,347,341	+2,870,637	
1921.....	6,516,510	6,385,884	130,626	3,654,459	10,170,969	+2,862,051	
1922.....	3,771,156	3,699,909	71,247	2,608,079	6,379,235	+1,163,077	
1923.....	3,956,733	3,886,682	70,051	3,780,959	7,737,692	+1,775,774	
1924.....	4,311,656	4,223,973	87,683	3,554,037	7,865,693	+757,619	
1925.....	4,864,580	4,778,154	86,426	3,524,128	8,688,708	+1,040,452	
1926.....	4,753,382	4,653,148	100,234	4,404,872	9,218,254	+288,509	
1927.....	4,968,100	4,867,346	100,753	4,252,024	9,220,124	+716,076	
1928.....	4,877,071	4,773,332	103,739	4,147,499	9,024,570	+729,572	
1929.....	5,373,407	5,283,938	89,469	4,291,888	9,665,295	+1,081,619	
1930.....	4,693,626	4,617,730	75,895	3,848,971	8,545,597	+844,655	
1931.....	3,083,429	3,031,557	51,873	2,432,074	5,515,503	+651,355	
1932.....	1,948,335	1,908,087	40,248	1,730,270	3,678,605	+218,065	
1933.....	1,440,333	1,413,397	26,936	1,167,876	2,608,209	+272,457	

Year	Gold			Silver			Total merchandise, gold and silver		
	Exports	Imports	Excess of exports (+) or imports (-)	Exports	Imports	Excess of exports (+) or imports (-)	Exports	Imports	Excess of exports (+) or imports (-)
1902.....	36,031	44,193	-8,162	49,273	26,403	+22,870	1,445,990	1,039,913	+406,077
1903.....	44,347	65,268	-20,921	40,610	23,975	+16,635	1,569,710	1,084,737	+484,973
1904.....	121,212	84,803	+36,409	50,135	26,087	+24,048	1,622,666	1,146,799	+475,867
1905.....	46,794	50,293	-3,499	57,513	35,939	+21,574	1,731,298	1,265,377	+465,921
1906.....	46,709	155,579	-108,870	60,957	44,228	+16,729	1,905,909	1,520,309	+385,600
1907.....	55,216	143,398	-88,182	61,626	45,912	+15,714	2,040,268	1,612,480	+427,788
1908.....	81,215	50,276	+30,939	51,838	42,224	+9,614	1,885,888	1,208,874	+677,014
1909.....	132,881	44,087	+88,794	57,592	46,188	+11,404	1,918,672	1,565,796	+352,876
1910.....	58,778	59,223	-445	57,361	45,878	+11,483	1,982,395	1,668,005	+314,390
1911.....	37,183	57,445	-20,262	65,665	43,747	+21,918	2,195,375	1,633,561	+561,824
1912.....	47,425	66,548	-19,124	71,962	48,409	+23,551	2,518,005	1,933,823	+585,582
1913.....	91,799	63,705	+28,094	62,777	35,868	+26,909	2,632,594	1,899,169	+733,425
1914.....	222,616	57,388	+165,228	51,603	25,969	+25,644	2,387,843	1,872,623	+515,220
1915.....	31,426	451,955	-420,529	53,599	34,484	+19,115	3,639,666	2,265,036	+1,374,660
1916.....	90,250	494,009	-403,759	59,792	34,154	+25,638	4,483,525	2,726,047	+1,757,478
1917.....	291,921	977,176	-685,255	78,280	35,004	+43,276	6,660,249	3,071,535	+3,588,714
1918.....	190,852	124,413	+66,439	139,181	70,328	+68,853	6,249,744	3,140,396	+3,109,348
1919.....	116,576	62,364	+54,212	301,175	78,825	+222,350	7,650,034	3,236,909	+4,413,125
1920.....	466,421	160,540	+305,881	179,037	102,900	+76,137	8,754,447	5,491,792	+3,262,655
1921.....	133,538	638,560	-505,022	52,536	59,431	-6,895	6,702,584	4,352,450	+2,350,134
1922.....	27,345	468,318	-440,973	62,695	70,947	-7,989	3,861,196	3,147,081	+714,115
1923.....	49,022	284,090	-235,068	55,907	64,947	-9,040	4,061,662	4,129,996	-68,334
1924.....	10,207	417,026	-406,819	95,786	79,840	+15,946	4,420,049	4,051,033	+369,046
1925.....	248,730	134,145	+114,585	108,329	71,608	+37,221	5,222,139	4,899,823	+322,316
1926.....	113,438	210,726	-97,288	97,982	69,401	+28,581	4,964,802	4,744,999	+219,802
1927.....	103,844	251,756	-147,912	80,881	59,605	+21,276	5,152,825	4,563,385	+589,440
1928.....	627,102	129,140	+497,962	79,964	59,530	+20,434	5,584,137	4,336,169	+1,247,968
1929.....	112,291	267,428	-155,137	86,406	69,400	+17,006	5,572,104	4,628,716	+943,388
1930.....	119,196	342,940	-223,745	72,053	54,477	+17,576	4,884,875	4,245,788	+639,087
1931.....	107,094	403,795	-296,701	38,931	33,522	+5,409	3,229,454	2,869,391	+360,063
1932.....	1,233,844	520,028	+713,816	19,979	25,384	-5,405	3,202,158	2,275,682	+926,476
1933.....	135,393	398,979	-263,586	8,380	35,474	-27,094	1,584,106	1,602,329	-18,223

No. 468.—MERCHANDISE EXPORTS AND IMPORTS WITH TRADE BALANCES: FOR INDIVIDUAL YEARS 1790 TO 1888

NOTE.—All figures in thousands of dollars. Specie values For later years see Table 465. Fiscal years ended Sept. 30, 1790 to 1842, June 30 thereafter

Year	Ex-ports ¹	Im-ports ¹	Excess of exports (+) or imports (-)	Year	Exports	Imports	Excess of exports (+) or imports (-)	Year	Exports	Imports	Excess of exports (+) or imports (-)
1790...	20, 205	23, 000	-2, 795	1826...	72, 891	78, 094	-5, 203	1861...	219, 554	289, 311	-69, 757
1791...	19, 012	29, 200	-10, 188	1827...	74, 310	71, 333	+2, 977	1862...	190, 671	189, 457	+1, 314
1792...	20, 753	31, 500	-10, 747	1828...	64, 021	81, 020	-16, 999	1863...	203, 964	214, 436	-39, 372
1793...	26, 110	31, 100	-4, 990	1829...	67, 135	67, 089	+316	1864...	158, 838	316, 117	-157, 609
1794...	33, 044	34, 600	-1, 556	1830...	71, 671	62, 721	+8, 950	1865...	166, 020	238, 746	-72, 717
1795...	47, 990	69, 756	-21, 766	1831...	72, 296	95, 885	-23, 589	1866...	348, 860	434, 812	-85, 952
1796...	58, 575	81, 436	-22, 861	1832...	81, 521	95, 122	-13, 601	1867...	294, 506	395, 761	-101, 255
1797...	51, 295	75, 379	-24, 084	1833...	87, 529	101, 048	-13, 519	1868...	281, 953	357, 436	-75, 483
1798...	61, 327	68, 552	-7, 225	1834...	102, 260	108, 610	-6, 350	1869...	286, 118	417, 506	-131, 388
1799...	78, 666	79, 065	-403	1835...	115, 216	136, 764	-21, 548	1870...	392, 772	435, 938	-43, 166
1800...	90, 672	91, 253	-20, 281	1836...	124, 339	176, 579	-52, 240	1871...	442, 820	520, 224	-77, 404
1801...	93, 021	111, 364	-18, 343	1837...	111, 443	130, 473	-19, 030	1872...	444, 178	620, 595	-182, 417
1802...	71, 957	76, 333	-4, 376	1838...	104, 979	95, 970	+9, 009	1873...	522, 480	642, 136	-119, 656
1803...	55, 800	64, 667	-8, 867	1839...	112, 252	156, 497	-44, 245	1874...	586, 283	567, 406	+18, 877
1804...	77, 699	85, 000	-7, 301	1840...	123, 669	98, 259	+25, 410	1875...	513, 443	533, 003	-19, 562
1805...	95, 566	120, 600	-25, 034	1841...	111, 817	122, 958	-11, 141	1876...	540, 385	460, 741	+79, 644
1806...	101, 537	129, 410	-27, 873	1842...	99, 878	96, 075	+3, 803	1877...	602, 475	451, 323	+151, 152
1807...	108, 343	138, 500	-30, 157	1843...	82, 826	42, 433	+40, 393	1878...	694, 866	437, 052	+257, 814
1808...	22, 431	56, 990	-34, 559	1844...	105, 746	102, 605	+3, 141	1879...	710, 439	445, 778	+264, 664
1809...	52, 203	59, 400	-7, 197	1845...	106, 040	113, 184	-7, 144	1880...	835, 639	667, 955	+167, 681
1810...	69, 758	85, 400	-15, 642	1846...	109, 583	117, 914	-8, 331	1881...	902, 377	642, 665	+259, 712
1811...	61, 317	53, 400	+7, 917	1847...	156, 742	122, 424	+34, 318	1882...	750, 542	724, 640	+25, 902
1812...	38, 527	77, 030	-38, 503	1848...	138, 101	145, 639	-10, 448	1883...	823, 839	723, 181	+100, 658
1813...	27, 856	22, 005	+5, 851	1849...	140, 351	141, 206	-855	1884...	740, 514	667, 698	+72, 816
1814...	6, 927	12, 965	-6, 038	1850...	144, 376	173, 610	-29, 134	1885...	742, 190	577, 527	+164, 663
1815...	52, 558	113, 041	-60, 483	1851...	188, 915	210, 771	-21, 856	1886...	679, 525	635, 436	+44, 089
1816...	81, 920	147, 103	-65, 183	1852...	166, 984	207, 440	-40, 456	1887...	716, 183	662, 320	+53, 863
1817...	87, 672	99, 260	-11, 578	1853...	203, 489	263, 777	-60, 288	1888...	695, 955	723, 957	-28, 002
1818...	93, 281	121, 750	-28, 469	1854...	237, 044	297, 804	-60, 760				
1819...	70, 143	87, 125	-16, 982	1855...	218, 910	257, 809	-38, 899				
1820...	69, 692	74, 450	-4, 758	1856...	281, 219	310, 432	-29, 213				
1821...	54, 496	54, 521	-25	1857...	293, 524	348, 428	-54, 904				
1822...	61, 350	79, 872	-18, 522	1858...	272, 011	263, 339	+8, 672				
1823...	68, 326	72, 481	-4, 155	1859...	292, 902	331, 333	-38, 431				
1824...	68, 972	72, 169	-3, 197	1860...	333, 576	353, 616	-20, 040				
1825...	90, 738	90, 189	+549								

¹ Includes gold and silver prior to 1821

² Period beginning Oct. 1, 1842, and ending June 30, 1843.

No. 469.—PER CAPITA EXPORTS AND IMPORTS OF MERCHANDISE

NOTE.—Export figures for 1791 to 1820 are based on total exports including reexports (the latter were then relatively large) and for 1821 to date, on exports of United States merchandise only, shown in Table 465. Import figures for 1791 to 1820 are based on general imports shown in Table 465, for 1821 to 1870, total imports less reexports, and for 1871 to date, imports for consumption, shown in Table 470

Yearly average	Ex-ports	Im-ports	Yearly average or year	Ex-ports	Im-ports	Year	Ex-ports	Im-ports	Year	Ex-ports	Im-ports
	Dollars	Dollars		Dollars	Dollars		Dollars	Dollars		Dollars	Dollars
1791-1800	10 08	12 75	1911-1915	23 98	17 46	1900	18 17	11 01	1917	59 48	28 14
1801-1810	11 82	14 71	1915-1920	21 20	31 37	1901	18 69	10 34	1918	57 51	28 06
1811-1820	6 96	9 53	1921-1925	38 05	30 22	1902	16 99	11 28	1919	72 69	35 90
1821-1830	4 71	5 02	1926-1930	38 50	33 02	1903	17 10	12 38	1920	74 70	47 16
1831-1840	5 85	6 91	1887	12 00	11 60	1904	17 28	11 82	1921	39 86	23 27
1841-1850	5 67	5 60	1888	11 43	11 81	1905	17 62	12 84	1922	33 75	27 55
1851-1860	8 48	9 78	1889	11 95	12 02	1906	19 90	14 06	1923	36 11	32 95
1861-1865	5 11	7 15	1890	13 54	12 27	1907	21 08	16 09	1924	39 12	31 10
1866-1870	8 35	10 73	1891	13 69	13 27	1908	20 48	13 21	1925	41 30	35 80
1871-1875	11 70	13 55	1892	15 62	12 37	1909	17 96	14 05	1926	39 81	37 24
1876-1880	14 01	10 18	1893	12 53	12 56	1910	18 41	16 66	1927	39 63	34 67
1881-1885	14 49	12 50	1894	12 85	9 32	1911	21 34	16 19	1928	41 31	33 49
1886-1890	12 12	11 73	1895	11 51	10 61	1912	22 65	17 13	1929	41 77	35 14
1891-1895	13 21	11 59	1896	12 29	10 82	1913	24 97	18 17	1930	30 21	24 88
1896-1900	15 60	10 03	1897	14 43	11 03	1914	23 61	19 32	1931	18 86	16 56
1901-1905	17 53	11 75	1898	16 62	8 06	1915	27 13	16 46	1932	12 42	10 44
1906-1910	19 54	14 82	1899	16 24	9 24	1916	53 01	23 06	1933	12 89	11 15

No. 470.—IMPORTS ENTERED FOR CONSUMPTION AND DUTIES THEREON

NOTE.—From 1821 to 1866, inclusive, the figures of import values represent total imports less reexports, and for 1867 and later years imports entered for consumption. The "ratio of duties to total" is based upon the values of imports, shown in the table. Figures cover fiscal years ended Sept. 30, 1821 to 1842, and June 30, 1843 to 1915; calendar years thereafter.

Yearly average or year	Values				Duties calculated	Ratio of duties to total		Amount of duties per capita
	Total	Free	Dutiable	Percent free		Free and dutiable	Dutiable	
	1,000 dollars	1,000 dollars	1,000 dollars		1,000 dollars	Percent	Percent	Dollars
1821-1830.....	56,749	3,325	53,424	5 86	26,282	46 31	49.20	2 32
1831-1840.....	104,139	39,680	64,459	38 10	24,509	23 53	38 02	1 63
1841-1850.....	110,561	20,347	90,214	18 40	26,738	24.18	29 64	1.32
1851-1860.....	267,871	40,685	227,186	15 19	54,511	20.35	23 99	1 99
1861-1865.....	237,825	45,110	192,716	18 97	65,275	27.45	33 87	1 96
1866-1870.....	393,447	26,242	367,205	6 67	174,809	44.43	47.61	4.75
1871-1875.....	563,234	112,458	450,776	19 97	183,014	32.49	40.60	4.40
1876-1880.....	482,071	154,501	327,570	32 05	143,388	29.74	43 77	3.03
1881-1885.....	663,128	204,673	458,455	30 86	197,801	29.83	43 15	3.70
1886-1890.....	702,234	237,299	464,935	33 80	213,358	30.38	45 89	3.56
1891-1895.....	768,755	401,921	366,835	52 29	173,832	22.61	47.39	2.62
1896-1900.....	730,411	341,753	388,658	46 79	181,328	24.83	46.65	2.49
1901-1905.....	956,891	428,830	528,061	44.81	256,469	26.80	48 57	3 15
1906-1910.....	1,328,137	615,416	712,721	46 34	305,440	23.00	42.86	3.41
1911-1915.....	1,698,028	966,141	731,887	56 89	283,408	16.69	38.72	2.01
1915-1920 ¹	3,268,839	2,262,412	1,026,245	68 79	227,035	6.90	22 08	2.17
1921-1925.....	3,422,748	2,088,932	1,333,816	61 03	478,911	13.99	35.90	4.22
1926-1930.....	4,020,350	2,645,610	1,374,740	65 81	550,742	13.70	40 06	4.40
1890.....	765,708	258,137	507,571	33 71	226,540	29.59	44 63	3.63
1891.....	845,483	379,028	466,455	44.83	216,885	25.65	46.50	3.40
1892.....	804,297	448,771	355,526	55 78	174,124	21.65	48.98	2.68
1893.....	832,732	432,450	400,282	61.93	190,143	23.91	49 75	3.00
1894.....	650,107	372,462	257,645	59.11	129,558	20.56	50 29	1.92
1895.....	731,162	376,890	354,272	61.55	149,450	20.44	42.19	2 17
1896.....	759,694	368,897	390,797	48 56	157,013	20.67	40 18	2.24
1897.....	789,251	381,902	407,349	48 39	172,760	21.89	42.41	2.41
1898.....	587,153	291,534	295,619	49 65	145,438	24.77	49 20	2.00
1899.....	685,441	299,669	385,772	43 72	202,072	29.48	52 38	2.73
1900.....	830,519	366,760	463,759	44 16	229,360	27.62	49.46	3.04
1901.....	807,763	339,093	468,670	41 98	233,556	28.91	49 83	2.99
1902.....	899,793	396,542	503,251	44 01	251,453	27.95	49 97	3.15
1903.....	1,007,960	437,291	570,669	43 38	280,752	27.85	49.20	3.45
1904.....	981,822	454,153	527,669	46 26	258,161	26.29	48 92	3 11
1905.....	1,087,118	517,073	570,045	47 56	258,426	23.77	45.33	3.05
1906.....	1,213,417	648,695	664,722	45 22	293,910	24.22	44 22	3.40
1907.....	1,415,402	641,953	773,449	45 35	329,480	23.28	42 60	3.75
1908.....	1,183,120	525,704	657,416	44 43	282,582	23.88	42 98	3 15
1909.....	1,281,641	599,376	682,265	46 77	294,667	22.99	43 19	3.23
1910.....	1,547,109	761,353	785,756	49 21	326,561	21.11	41.56	3.52
1911.....	1,527,945	776,964	750,981	50 85	309,965	20.29	41.27	3.28
1912.....	1,640,722	881,513	759,209	53 73	304,899	18.58	40 16	3.18
1913.....	1,766,689	936,972	779,717	55 87	312,509	17.69	40 08	3.21
1914.....	1,906,400	1,162,392	754,008	60 45	283,719	14.88	37.63	2.87
1915.....	1,648,386	1,032,863	615,523	62 66	205,946	12.49	33.46	2.06
1915 (6 mos.).....	934,675	631,384	303,291	67 56	95,868	10.26	31.61	.95
1916.....	2,353,612	1,614,842	743,770	68 47	214,214	9.10	28.80	2.11
1917.....	2,919,291	2,140,947	778,344	73 34	204,585	7.01	26 28	1.99
1918.....	2,951,531	2,228,675	722,856	75 51	170,934	5.79	23 65	1.64
1919.....	3,827,683	2,711,462	1,116,221	70 84	237,456	6.20	21 27	2.24
1920.....	5,101,823	3,115,958	1,985,865	61.08	325,646	6.38	16 40	3.03
1921.....	2,556,869	1,564,278	992,591	61 18	292,397	11.44	29.46	2.66
1922.....	3,073,773	1,888,240	1,185,533	61 43	451,356	14.68	38 07	4.05
1923.....	3,731,769	2,105,148	1,566,621	58 02	566,664	15.18	36 17	5.00
1924.....	3,575,111	2,118,168	1,456,943	59 25	532,286	14.89	36 53	4.63
1925.....	4,176,218	2,708,828	1,467,391	64 87	551,853	13.21	37 61	4.73
1926.....	4,408,076	2,908,107	1,499,969	65 97	590,045	13.39	39.34	4.98
1927.....	4,163,090	2,680,059	1,483,031	64 38	574,839	13.81	38 76	4.79
1928.....	4,077,937	2,678,633	1,399,304	65 68	542,270	13.30	38 76	4 45
1929.....	4,338,572	2,880,128	1,458,444	66 38	584,771	13.48	40 10	4.74
1930.....	3,114,077	2,081,123	1,032,954	66 83	461,790	14.83	44 71	3 69
1931.....	2,088,455	1,391,693	696,762	66 64	370,771	17.75	53.21	2 94
1932.....	1,325,093	885,536	439,557	66 83	259,600	19.59	59 06	2 05
1933.....	1,433,013	903,547	529,466	63.05	283,681	19.80	53 58	2 22

¹ Period July 1, 1915, to Dec. 31, 1920.

No. 471.—PERCENTAGE DISTRIBUTION OF EXPORTS AND IMPORTS OF MERCHANDISE, BY ECONOMIC CLASSES

NOTE.—Percentages are based on figures shown in Table 472

Year or yearly average	Per cent of total exports of United States merchandise					Per cent of total general imports				
	Crude materials	Crude food-stuffs	Manufactured food-stuffs	Semi-manufactures	Finished manufactures	Crude materials	Crude food-stuffs	Manufactured food-stuffs	Semi-manufactures	Finished manufactures
1821.....	60 62	4 79	19 51	9 42	5 66	4 66	11 15	19 85	7 48	56.86
1830.....	62 65	4 65	16 32	7 04	9 34	7 65	11 77	15 39	8 22	56.97
1840.....	67 83	4 09	14 27	4.34	9 47	12 36	15 54	15 46	11 56	45.09
1850.....	62 36	5 59	14 84	4.49	12.72	7 24	10 38	12.37	15 08	54.93
1851-1860.....	61 67	6 61	15.39	4 01	12.32	9 63	11 70	15.43	12 50	50.74
1861-1865.....	19 97	22 13	34 42	5 69	17 78	11 12	14 29	17 47	13 60	40 52
1866-1870.....	57 62	9 05	13 75	4 68	14 89	11 71	13 23	19 93	13 87	41 26
1871-1875.....	44 94	15 47	19 59	4 67	15 33	16 12	14 12	20.07	13 56	36 13
1876-1880.....	32 24	23 93	21 39	4 55	14 87	18 55	18 16	21.49	12 45	29.35
1881-1885.....	33 78	21 00	25 50	4 78	11.94	19 98	14 90	19 15	13 73	32.25
1886-1890.....	38 13	14 98	25 01	5 52	16 36	22 65	15 77	16 49	15 76	29.33
1891-1895.....	33 67	17 21	27 22	6 32	15.57	23 59	18 66	17.92	14 37	25.45
1896-1900.....	26 11	18 90	24 01	9 64	21.33	20 47	15 08	15.93	13 35	26.17
1901-1905.....	30 27	12 19	22 16	11.30	24 07	33 38	12 92	12 36	16 65	24 69
1906-1910.....	31 68	8 90	18 12	14 23	27.07	34 56	10 98	11 80	17 82	24.84
1911-1915.....	30 74	8.83	14 32	15 41	30.70	34 91	12 80	12.56	17 37	22.36
1915-1920 ¹	18 22	9 16	17 66	15 39	39 58	40 13	12 15	16.21	17 10	14.40
1921-1925.....	27 54	9 74	13 93	12 45	36 33	37 40	11 09	12.99	17 66	20 86
1926-1930.....	24 40	6.40	9 72	14 14	45 35	36 80	12 56	9 88	18 89	21.88
1910-1914.....	33 48	5.94	13 84	16 03	30.71	35 23	12 03	11.50	18 18	23 05
1915-1919 ²	16 13	9.62	18 09	16 67	39 47	41 33	12 43	14.14	17 04	14 50
1890.....	36 61	15 62	26 59	5 50	15 68	22.79	16 28	16.89	14 81	29.23
1891.....	40 28	12 17	25 96	5 49	16 09	22 79	17 83	17 48	16 15	25 75
1892.....	31 48	25.84	24 66	4 95	13 07	23 54	21 22	16 89	13 63	24 72
1893.....	30 28	18 43	29.73	5.94	15 63	25 00	15 19	17.75	15.65	26 40
1894.....	32 60	15 30	28 77	7 72	15 61	20 56	20 35	23 72	12 65	22 72
1895.....	33 94	12 50	27.61	7.85	18.10	25 62	19 31	14 63	13 18	27 26
1896.....	29.80	14.90	25 41	8 85	21 04	26 06	16 67	15.24	12 96	29.07
1897.....	29 49	17.58	22 79	9 62	20 63	26 25	16 79	16 90	11 57	28 48
1898.....	24 44	25.21	23.54	8 43	18 38	31 44	16 88	13.97	12 88	24 84
1899.....	23 75	19 35	25 31	9 78	21 81	30 60	14 19	17.71	13 19	24.32
1900.....	24 81	16.48	23.32	11.18	24 20	33 14	11 52	15 65	15 79	23.90
1901.....	28 17	16.83	23 09	10 16	21.76	30 88	13 43	15 25	15.49	24.96
1902.....	28 60	13 63	24.26	9 75	23 75	34 16	13 31	10.56	16 34	25.62
1903.....	29 85	13 31	23 22	10 10	23 52	32 80	11 62	11 37	19 08	25 13
1904.....	32 54	9 46	21 52	12 19	24 30	33 05	13 34	11 93	16 17	25.51
1905.....	32 08	7 92	18 97	14 07	26 96	35 42	13 08	13 01	15.91	22.58
1906.....	29 53	10 32	20 22	13 17	26 76	34 55	10 95	11.44	17 06	25 10
1907.....	32 40	9 03	18 65	14 00	25 93	34 00	10 44	11.06	19 11	25.39
1908.....	30 70	10 30	18 10	14 23	26 68	31 31	12 19	12.31	16 43	27.77
1909.....	32 27	8 28	18 47	14 11	26 87	35 13	12 51	12.63	16 94	22.80
1910.....	33 57	6 42	15 16	15 66	29 19	37 11	9 30	11 66	18 31	23.62
1911.....	35 79	5 13	14 01	15 35	29 72	34 36	11 87	11.26	18 84	23 67
1912.....	33 69	4 60	14 69	16 04	30.98	34 66	13 93	11.86	17 77	21 78
1913.....	30 48	7 49	13 23	16 83	31 97	35 82	11 68	10 72	19 27	22 51
1914.....	34 33	5 90	12 59	16 06	31 11	34 31	13 09	12 02	16 86	23 72
1915.....	21 77	18 66	16 74	13 10	29 73	35 33	13 38	17 07	14 17	20 04
1915 (6 mos).....	16 66	8 67	16 08	14 72	43.87	41 46	14 29	12 43	15 75	16 08
1916.....	15 04	7 76	11 95	16 82	48 43	43 04	10 88	14 16	17 47	14 45
1917.....	13 50	8 28	13 08	21 39	43 77	43 56	13 07	11 90	18 18	13 28
1918.....	16 07	9 05	23 25	17 41	34 22	40 70	11 41	13 12	21 43	13 34
1919.....	20 94	8 75	25 32	11 90	33 08	43 57	13 97	14 23	15 60	12 64
1920.....	23 30	11 36	13 82	11 86	39 66	33 79	10 94	23 46	15 20	16 61
1921.....	22 46	15 38	15 66	9 38	37 12	34 23	11 96	14 68	14 41	24 71
1922.....	26 25	12 18	15 62	11 63	34 32	37 91	10 59	12 44	17 76	21 30
1923.....	29 54	6 29	14 26	13 78	36 12	37 10	9 58	13 98	19 00	20 34
1924.....	29 63	8 73	12 75	13 57	35 32	34 86	11 77	14 45	18 17	20 76
1925.....	29 51	6 60	11 90	13 73	38 26	41 36	11 71	10 24	17 87	18.83
1926.....	26 77	7 11	10 67	13 91	41 54	40 47	12 18	9 42	18 15	19 78
1927.....	25 07	8 85	9 74	14 70	41 64	38 25	12 06	10 77	17 92	21 00
1928.....	25 71	5 86	9 26	14 24	44 93	35 85	13 44	9 91	18 65	22 15
1929.....	22 15	5 23	9 40	14 13	49 09	35 43	12 24	9 63	20 12	22 58
1930.....	21 93	4 72	9 59	13 56	50 20	32 74	13 07	9 59	19 87	24 73
1931.....	23 83	5 34	10 38	13 35	47 10	30 72	14 58	10 63	17 80	26 27
1932.....	32 60	5 67	9 65	12 48	39 60	27 09	17 61	13 15	16 40	25 75
1933.....	35 85	2 94	9 38	14 39	37 44	28 85	14 61	14 17	20 14	22 23

¹ Period July 1, 1915, to Dec. 31, 1920² Fiscal years.

No. 472.—EXPORTS OF UNITED STATES MERCHANDISE

NOTE.—All figures in thousands of dollars. Merchandise only, specie values except for 1933, for that to 1915, calendar thereafter, except as noted. For articles covered by each class see Annual Commerce trade, averages for the fiscal years 1910-14 and 1915-19 are also shown

Yearly average or year	Exports of United States merchandise					
	Total	Crude materials	Crude foodstuffs	Manu- factured foodstuffs	Semi- manu- factures	Finished manu- factures
1821	51,684	31,332	2,475	10,085	4,867	2,925
1830	58,525	36,665	2,724	9,557	4,118	5,462
1840	111,661	75,735	4,565	15,936	4,841	10,584
1850	134,900	84,124	7,536	20,017	6,061	17,162
1851-1860	232,149	143,156	15,337	35,734	9,317	28,605
1861-1865	170,198	33,990	37,670	58,585	9,686	30,267
1866-1870	307,696	177,296	27,858	42,306	14,408	45,828
1871-1875	486,128	218,449	75,206	95,282	22,681	74,509
1876-1880	663,650	213,989	158,353	161,815	30,174	98,719
1881-1885	774,607	261,645	162,714	197,457	37,044	115,747
1886-1890	725,688	276,703	108,708	181,521	40,023	118,730
1891-1895	876,326	295,087	150,846	238,580	55,343	136,470
1896-1900	1,136,039	296,664	214,778	272,759	109,500	242,338
1901-1905	1,427,020	432,027	173,972	316,226	161,206	343,589
1906-1910	1,750,980	554,764	155,828	317,374	249,134	473,890
1911-1915	2,331,648	716,637	205,939	333,971	359,239	715,861
1915-1920	6,416,513	1,168,995	587,588	1,133,226	987,185	2,539,520
1921-1925	4,310,221	1,187,056	420,002	600,710	556,793	1,565,660
1926-1930	4,687,788	1,143,762	299,794	453,814	662,088	2,125,730
1910-1914	2,130,429	713,184	126,506	294,908	341,620	654,211
1915-1919	5,227,127	843,258	502,763	945,729	871,731	2,063,646
1890	845,294	309,482	132,073	224,757	46,455	132,527
1891	872,270	351,355	106,156	226,448	47,961	140,350
1892	1,015,732	319,761	262,456	250,439	50,284	132,792
1893	831,031	251,669	153,278	247,075	49,071	129,938
1894	869,205	283,357	133,197	249,846	67,145	135,659
1895	793,393	269,294	99,145	219,090	62,254	143,610
1896	863,201	257,227	128,551	219,413	76,220	181,789
1897	1,032,008	304,291	181,421	235,052	98,284	212,959
1898	1,210,292	295,775	305,109	284,880	101,991	222,537
1899	1,203,931	285,887	232,903	304,755	117,730	262,657
1900	1,370,764	340,139	225,906	319,696	153,276	331,747
1901	1,460,463	411,377	245,836	337,153	148,351	317,746
1902	1,355,432	387,711	184,786	328,832	132,206	321,947
1903	1,392,232	415,543	185,308	323,245	140,667	327,469
1904	1,435,179	466,984	135,747	308,836	174,877	348,735
1905	1,491,745	478,518	118,185	283,065	209,926	402,050
1906	1,717,954	507,328	177,216	347,385	226,211	459,813
1907	1,853,718	600,540	167,348	345,707	259,442	480,681
1908	1,834,786	563,197	189,052	331,982	261,106	489,470
1909	1,638,356	528,691	135,694	302,555	231,144	440,272
1910	1,710,084	574,015	109,828	259,260	267,766	499,215
1911	2,013,549	720,611	108,402	282,017	309,152	598,368
1912	2,170,320	731,164	99,899	318,839	348,150	672,268
1913	2,428,506	740,290	181,907	321,204	408,807	776,297
1914	2,329,684	799,838	137,485	293,219	374,224	724,908
1915	2,716,178	591,282	506,998	454,575	355,862	807,466
1915 (6 mos.)	1,820,333	303,228	157,897	292,720	268,002	798,546
1916	5,422,642	815,693	421,284	648,039	912,262	2,625,364
1917	6,169,617	832,827	508,762	806,941	1,315,242	2,705,845
1918	6,047,875	972,107	547,436	1,405,820	1,053,270	2,069,242
1919	7,749,816	1,623,085	678,363	1,962,616	922,246	2,563,505
1920	8,080,481	1,882,530	917,991	1,116,605	958,497	3,204,858
1921	4,378,928	983,553	673,334	685,025	410,167	1,626,849
1922	3,765,091	988,456	458,611	587,987	437,730	1,292,307
1923	4,090,715	1,208,468	257,478	583,292	563,718	1,477,759
1924	4,497,649	1,332,746	392,691	573,492	610,668	1,588,052
1925	4,818,722	1,422,058	317,894	573,753	661,683	1,843,334
1926	4,711,721	1,261,325	335,063	503,005	655,547	1,956,781
1927	4,758,864	1,192,776	421,107	463,299	699,727	1,981,955
1928	5,030,069	1,293,257	294,677	465,811	716,352	2,280,002
1929	5,157,083	1,142,352	269,590	494,304	729,013	2,531,823
1930	3,781,172	829,098	178,533	362,650	512,802	1,898,089
1931	2,377,982	666,791	127,072	246,814	317,647	1,119,657
1932	1,576,151	513,659	89,419	152,118	196,727	624,228
1933	1,647,220	590,566	48,366	154,609	237,041	616,639

† Period July 1, 1915, to Dec 31, 1920

AND GENERAL IMPORTS, BY ECONOMIC CLASSES

year, dollar currency values. Figures cover fiscal years ended Sept. 30, 1821 to 1840, and June 30, 1850 and Navigation of the United States. Owing to the special influence of the war on the character of our

Imports						Yearly average or year
Total	Crude materials	Crude foodstuffs	Manufactured foodstuffs	Semimanufactures	Finished manufactures	
54,521	2,540	6,081	10,821	4,079	30,999	1821
62,721	4,797	7,382	9,684	5,152	35,735	1830.
98,259	12,140	15,274	15,189	11,556	44,300	1840
173,510	12,556	18,012	21,466	26,163	86,213	1850
284,475	27,394	33,286	43,904	35,559	144,332	1851-1860.
255,439	36,064	36,504	44,613	34,744	103,514	1861-1865.
408,295	47,814	51,018	81,381	56,632	168,449	1866-1870
577,873	93,182	81,602	115,960	78,360	208,769	1871-1875
492,570	91,353	89,461	105,865	61,318	144,573	1876-1880.
667,142	133,268	99,376	127,732	91,625	215,141	1881-1885
717,231	162,436	113,130	118,224	113,045	210,396	1886-1890.
785,137	185,222	146,510	140,726	112,833	169,846	1891-1895
741,519	218,517	111,843	118,124	99,005	194,030	1896-1900
972,162	324,508	125,644	120,218	161,809	239,983	1901-1905.
1,344,838	464,809	147,706	158,658	239,577	334,088	1906-1910
1,712,319	597,701	219,035	215,144	297,476	382,963	1911-1915
3,358,354	1,347,687	408,152	544,549	574,421	483,566	1915-1920. ¹
3,450,103	1,290,375	382,539	448,089	609,225	719,875	1921-1925.
4,033,469	1,484,123	506,616	398,310	762,034	882,385	1926-1930.
1,688,874	594,957	203,205	194,312	307,068	389,332	1910-1914
2,514,557	1,039,366	312,059	355,305	443,647	364,180	1915-1919. ¹
789,310	179,880	128,480	133,332	116,924	230,686	1890
844,916	192,531	150,639	147,722	136,446	217,678	1891.
827,402	194,776	175,559	139,795	112,729	204,644	1892.
860,401	216,624	131,664	153,739	135,609	228,765	1893.
654,985	134,643	133,310	155,349	82,895	148,798	1894.
731,970	187,637	141,377	107,026	96,487	199,643	1895.
779,725	203,205	130,002	118,806	101,071	226,640	1896.
764,730	200,771	128,380	129,245	88,490	217,844	1897.
616,050	193,660	103,985	86,091	79,289	153,025	1898.
697,148	213,297	98,933	123,448	91,954	169,516	1899.
849,941	281,649	97,916	133,028	134,222	203,126	1900.
823,172	254,164	110,385	125,541	127,577	205,505	1901.
903,321	308,613	120,280	95,350	147,656	231,421	1902
1,025,719	336,388	119,203	116,620	195,751	257,757	1903.
991,087	327,549	132,224	118,223	160,234	252,858	1904.
1,117,513	395,826	146,131	145,356	177,828	252,372	1905
1,226,562	423,789	134,315	140,358	220,299	307,801	1906.
1,434,421	487,728	149,748	158,656	274,096	364,193	1907.
1,194,342	373,889	145,578	147,009	196,248	331,618	1908.
1,311,920	460,901	164,111	165,701	222,102	299,106	1909.
1,556,947	577,743	144,777	181,566	285,138	367,723	1910.
1,527,226	524,817	181,195	172,008	287,786	361,422	1911
1,653,265	573,048	230,358	196,101	293,739	360,019	1912.
1,813,008	649,438	211,747	194,243	349,402	408,179	1913.
1,893,926	649,740	247,048	227,644	319,276	449,318	1914.
1,674,170	591,462	223,930	285,725	237,176	335,877	1915.
912,787	378,446	130,398	113,441	143,752	146,750	1915 (6 mos.).
2,391,635	1,029,358	290,132	338,707	417,860	345,578	1916
2,952,468	1,286,079	385,725	351,553	536,663	392,448	1917
3,031,213	1,233,697	345,653	397,370	649,585	404,908	1918.
3,904,365	1,701,057	545,301	555,808	608,996	493,203	1919.
5,278,481	1,783,534	577,627	1,238,139	802,456	876,725	1920.
2,509,148	858,858	300,181	368,311	361,747	620,051	1921
3,112,747	1,179,894	329,809	387,419	552,677	662,947	1922.
3,792,066	1,406,797	363,032	530,208	720,729	771,300	1923
3,609,963	1,258,256	424,873	521,600	655,888	749,346	1924.
4,226,589	1,748,065	494,800	432,906	755,085	795,733	1925.
4,430,888	1,792,292	539,818	417,817	804,333	876,628	1926.
4,184,742	1,600,809	504,686	450,849	749,801	878,697	1927.
4,091,444	1,466,734	549,892	405,814	762,831	906,173	1928.
4,399,361	1,558,620	538,560	423,622	885,051	993,508	1929.
3,060,908	1,002,161	400,125	293,448	608,153	757,021	1930.
2,090,635	642,173	304,828	222,316	372,043	549,275	1931
1,322,774	358,325	232,964	173,927	216,967	340,591	1932
1,449,559	418,151	211,813	205,370	292,005	322,220	1933

¹ Fiscal years.

No. 473.—GENERAL IMPORTS, FREE AND DUTIABLE,

NOTE.—All figures in thousands of dollars Merchandise only, specie values except for 1933, for that 1915, calendar thereafter, except as noted The percentage free in general imports is normally slightly as reexported than of the free general imports Moreover, since 1922, there is an understatement of the

Year or yearly average	Total			Crude materials			Crude foodstuffs and food animals		
	Free	Dutiable	Percent free	Free	Duti- able	Percent free	Free	Duti- able	Percent free
1821.....	2, 018	52, 504	3 7	1, 475	1, 066	58. 1	6, 082	7, 382	99. 6
1830.....	4, 590	58, 131	7 3	3, 348	1, 450	69. 8	15, 214	60	99. 6
1840.....	48, 314	49, 946	49 2	9, 780	2, 360	80. 6	15, 803	2, 208	87. 7
1850.....	18, 082	155, 428	10 4	602	11, 954	4. 8	30, 165	3, 121	90. 6
1851-1890.....	44, 730	239, 745	15 7	6, 455	20, 938	23. 6	17, 365	19, 140	47. 6
1851-1865.....	48, 948	206, 491	19 2	10, 759	25, 305	29. 8	4, 443	49, 575	8. 2
1866-1870.....	27, 828	380, 467	6 8	9, 910	37, 904	20. 7	45, 026	36, 576	55. 2
1871-1875.....	105, 286	472, 587	18 2	48, 082	45, 100	51. 6	74, 806	14, 654	83. 6
1876-1880.....	154, 683	337, 887	31. 4	60, 902	30, 450	68. 7	76, 513	22, 964	77. 0
1881-1885.....	204, 735	462, 407	30 7	91, 354	41, 884	68. 6	90, 035	23, 095	79. 6
1886-1890.....	242, 521	474, 710	33 8	104, 961	57, 475	64. 6	124, 808	21, 702	85. 2
1891-1895.....	402, 363	382, 774	51 2	143, 613	41, 610	77. 5	88, 359	23, 484	79. 0
1896-1900.....	342, 125	399, 394	46 1	177, 649	40, 868	81. 3	98, 921	26, 723	81. 4
1901-1905.....	426, 836	545, 326	43 9	243, 319	81, 189	75. 0	120, 233	27, 473	82. 7
1906-1910.....	614, 825	730, 013	45 7	348, 061	116, 749	74. 9	181, 170	37, 865	85. 7
1911-1915.....	961, 439	750, 880	56 1	491, 948	105, 753	82 3	349, 926	58, 226	82. 7
1915-1920 ¹	2, 258, 608	1, 099, 747	67 3	1, 195, 593	152, 074	88 7	302, 242	80, 297	80. 4
1921-1925.....	2, 060, 303	1, 389, 800	59 7	1, 036, 581	233, 794	80 3	407, 540	38, 651	84. 3
1926-1930.....	2, 597, 197	1, 436, 271	64. 4	1, 228, 971	255, 152	82. 8	164, 554	49, 038	82. 9
1910-1914.....	905, 796	783, 078	53 6	477, 331	117, 626	80 2	263, 025	21, 965	83. 9
1915-1919 ¹	1, 744, 787	769, 789	69. 4	925, 417	113, 949	53. 0	126, 515	24, 802	88. 8
1890.....	265, 668	523, 642	33. 7	112, 495	67, 394	62. 5	106, 769	19, 895	85. 7
1891.....	366, 241	478, 675	43 3	139, 855	52, 676	72. 6	126, 837	24, 302	83. 9
1892.....	457, 999	369, 403	55 4	149, 159	45, 616	76 6	155, 831	19, 728	88. 8
1893.....	444, 544	421, 857	51 3	165, 928	50, 697	76 6	114, 255	24, 854	85. 7
1894.....	379, 790	275, 199	58. 0	106, 654	27, 989	79. 2	120, 847	20, 530	85. 5
1895.....	363, 234	368, 736	49 6	156, 464	31, 073	83. 4	108, 891	21, 111	84. 2
1896.....	369, 758	409, 967	47 4	176, 657	26, 549	86 9	108, 089	20, 291	82. 8
1897.....	381, 938	382, 792	49. 9	182, 775	17, 996	91. 0	69, 943	28, 985	70. 7
1898.....	291, 414	324, 636	47 3	147, 341	46, 319	76 1	68, 722	29, 194	70. 2
1899.....	300, 230	396, 868	43 1	168, 653	44, 643	79. 1	110, 481	21, 742	83. 6
1900.....	367, 237	482, 704	43 2	212, 820	68, 829	75. 6	126, 254	19, 877	86. 4
1901.....	339, 609	483, 563	41 3	191, 155	63, 009	75. 2	90, 961	29, 424	73. 1
1902.....	396, 819	506, 502	43 9	233, 242	75, 371	75. 6	90, 287	29, 993	75. 3
1903.....	426, 181	599, 538	41 6	249, 276	87, 112	74. 1	86, 622	32, 581	72. 7
1904.....	454, 130	536, 957	45 8	249, 998	77, 552	76. 3	110, 481	21, 742	83. 6
1905.....	517, 442	800, 071	46 3	292, 921	102, 905	71. 5	126, 254	19, 877	86. 4
1906.....	549, 624	676, 938	44 8	312, 290	111, 499	73. 7	114, 305	20, 010	85. 1
1907.....	644, 030	790, 391	44 9	366, 164	121, 564	75. 1	125, 407	24, 701	83. 5
1908.....	525, 603	668, 739	44 0	282, 943	90, 946	75 7	116, 510	29, 068	80. 0
1909.....	599, 557	712, 363	45 7	334, 957	125, 944	72 7	131, 621	32, 490	80. 2
1910.....	755, 311	801, 636	48 5	443, 951	133, 792	76. 8	113, 681	31, 095	78. 5
1911.....	776, 972	750, 254	50 9	409, 671	115, 145	78. 1	147, 262	33, 932	81. 3
1912.....	881, 671	771, 594	53. 3	453, 931	119, 117	79. 2	180, 127	50, 251	78. 2
1913.....	987, 524	825, 484	54 5	519, 103	130, 334	79. 9	179, 829	31, 117	84. 9
1914.....	1, 127, 503	766, 423	59 5	560, 000	89, 740	86 2	201, 868	46, 080	81. 4
1915.....	1, 033, 527	640, 643	61. 7	517, 034	74, 428	87. 4	196, 763	27, 167	87. 9
1915 (6 mos).....	628, 837	283, 950	68 9	332, 105	46, 340	87. 8	113, 550	16, 849	87. 1
1916.....	1, 611, 887	779, 748	67. 4	922, 045	107, 312	89. 6	216, 570	43, 562	83. 3
1917.....	2, 135, 552	816, 916	72 3	1, 169, 041	117, 038	90 9	316, 965	68, 759	82. 0
1918.....	2, 230, 363	800, 860	73 6	1, 092, 837	140, 860	88. 6	283, 535	62, 118	82. 2
1919.....	2, 698, 703	1, 205, 662	69 1	1, 508, 164	192, 894	88 7	480, 856	64, 444	88. 2
1920.....	3, 117, 010	2, 161, 471	59. 1	1, 551, 570	231, 964	87. 0	513, 117	64, 510	88. 8
1921.....	1, 562, 292	946, 856	62 3	750, 640	108, 219	87 4	253, 703	46, 477	84. 5
1922 ²	1, 871, 917	1, 240, 830	60 1	963, 150	216, 744	81 6	249, 600	80, 209	75. 7
1923 ²	2, 135, 942	1, 656, 124	56 3	1, 091, 393	315, 404	77. 6	279, 222	83, 810	76. 9
1924 ²	2, 080, 096	1, 529, 867	57. 6	977, 635	280, 621	77 7	335, 741	89, 132	79. 0
1925 ²	2, 651, 266	1, 575, 323	62 7	1, 400, 083	347, 982	80 1	392, 942	101, 858	79. 4
1926 ²	2, 853, 411	1, 577, 477	64 4	1, 483, 772	308, 520	82 8	438, 594	101, 224	81. 2
1927 ²	2, 621, 873	1, 562, 869	62 7	1, 315, 237	285, 872	82. 2	392, 971	111, 715	77. 9
1928 ²	2, 616, 239	1, 475, 205	63 9	1, 222, 411	244, 323	83 3	431, 587	118, 305	78. 5
1929 ¹	2, 843, 354	1, 556, 007	64 6	1, 289, 317	269, 303	83 0	443, 372	95, 188	82. 4
1930 ¹	2, 051, 110	1, 009, 798	67. 0	834, 120	168, 041	83 2	331, 179	68, 946	82. 8
1931 ¹	1, 381, 435	709, 199	66 1	524, 541	117, 632	81 7	269, 124	35, 704	88. 3
1932 ¹	879, 043	443, 731	66 5	286, 731	71, 594	80 0	207, 438	25, 526	89. 0
1933 ¹	878, 100	571, 459	60 6	298, 260	119, 900	71. 3	190, 199	21, 614	89. 8

¹ Period July 1, 1915, to Dec. 31, 1920.² Fiscal years.

AND PER CENT FREE, BY ECONOMIC CLASSES

year, dollar currency values Figures cover fiscal years ended Sept. 30, 1821 to 1840, and June 30, 1850 to lower than in imports for consumption because relatively more of the dutiable general imports are reported free goods in general imports, resulting from the facts set forth in Table 474

Manufactured foodstuffs			Semimanufactures			Finished manufactures			Year or yearly average
Free	Dutiable	Percent free	Free	Dutiable	Percent free	Free	Dutiable	Percent free	
	10,821		488	3,591	12 0	55	30,944	0 2	1821
	9,654		1,211	3,942	23 5	31	35,703	1	1830.
1,021	14,168	6.7	4,982	6,384	43 7	17,337	26,963	39 1	1840
	21,466		7,764	25,399	2 9	911	94,401	1 0	1850
2,426	41,477	5.5	3,419	32,140	9 6	2,265	142,067	7 9	1851-1860
4,671	39,942	10.5	7,980	26,764	23 0	8,173	95,341	7 9	1861-1865
1,847	79,534	2.3	6,722	49,910	11.0	4,906	163,543	2 9	1866-1870.
	115,589		6,255	72,105	8 0	5,552	203,216	2 7	1871-1875.
3,244	102,621	3.1	9,114	52,204	14 9	6,616	137,937	4 6	1876-1880
9,240	118,493	7.2	15,209	76,416	16 6	12,389	202,751	5 8	1881-1885.
13,664	104,560	11 6	19,175	93,870	17 0	14,686	195,709	7 0	1886-1890
92,078	48,649	65 4	25,614	87,219	22 7	16,251	183,594	8 1	1891-1895
18,950	99,173	10.0	34,565	64,440	34 9	22,002	171,429	11 6	1896-1900.
	117,029		59,943	101,866	37 0	21,465	218,518	8 9	1901-1905
5,498	153,160	3 5	102,198	137,379	42 7	38,835	295,253	11 6	1906-1910.
25,626	189,517	11 9	167,863	129,612	56 4	94,832	288,131	24 8	1911-1915.
73,142	471,407	13 4	424,243	150,177	73 9	215,704	267,862	44 6	1915-1920 1
56,820	391,469	12 6	411,802	197,423	67 6	253,058	468,817	35 2	1921-1925
73,706	324,003	18.5	543,245	218,789	71 3	343,735	538,650	39 0	1926-1930.
	177,022		160,166	146,902	52 2	76,455	302,877	22 2	1910-1914.
59,384	296,122	16.7	340,677	102,970	76 8	156,464	207,715	43.0	1915-1919. 2
15,375	117,957	11.5	19,275	97,650	16 5	12,009	218,677	5 2	1890.
62,119	85,603	42 1	23,435	113,011	17 2	14,495	203,082	6 7	1891.
111,614	28,180	79 8	26,437	86,293	23 5	14,959	189,685	7 3	1892.
121,858	31,881	79.3	33,114	102,495	24 4	16,876	211,889	7 4	1893.
130,454	24,895	84.0	15,129	67,765	18 3	13,802	135,496	8 9	1894.
34,343	72,683	32.1	29,955	66,531	31 0	21,625	177,919	10 8	1895.
15,903	102,902	13.4	37,718	63,353	37 3	30,588	196,051	13 5	1896.
17,082	112,163	13.2	39,566	48,925	44 7	34,427	183,417	15 8	1897.
18,874	67,217	21.9	23,739	55,550	20 9	15,316	137,709	10 0	1898.
19,783	103,665	16 0	26,226	65,728	28 5	15,670	153,847	9 2	1899.
23,110	109,918	17.4	45,578	88,644	34 0	17,007	186,119	8 4	1900.
	122,724		44,700	82,877	35 0	19,976	185,530	9 7	1901.
3,068	92,283	3.2	51,138	96,519	34 6	19,084	212,336	8 2	1902.
3,417	113,203	2.9	67,258	128,493	34 4	19,609	238,149	7 6	1903.
3,328	114,895	2.8	65,558	94,676	40 9	24,765	228,092	9 8	1904.
3,317	142,039	2.3	71,061	106,767	40 0	23,890	228,482	9 5	1905.
3,349	137,009	2 4	91,172	129,126	41 4	28,508	279,294	9 3	1906.
4,105	154,551	2.6	116,722	157,374	42 6	31,992	332,201	8 8	1907.
5,469	141,540	3.7	84,721	111,528	43 2	35,961	295,657	10 8	1908.
5,177	160,524	3.1	95,079	127,023	42 8	32,723	266,384	10 9	1909.
9,391	172,176	5 2	123,295	161,843	43 2	64,993	302,730	17 7	1910.
12,339	159,668	7.2	142,773	145,013	49 6	64,928	296,495	18 0	1911.
16,629	179,471	8 5	153,258	140,481	52 2	77,723	282,294	21 6	1912.
10,889	189,354	5 6	180,580	168,822	51 7	97,122	311,057	23 8	1913.
37,202	190,443	16 3	200,925	118,350	62 9	127,508	321,810	28 4	1914.
51,073	234,652	17.9	161,781	75,396	68 2	106,876	229,001	31 8	1915.
20,082	93,359	17.7	103,717	40,035	72 2	59,383	87,367	40 5	1915 (6 mos.)
37,401	301,806	11 0	299,265	118,595	71 6	136,606	208,972	39 5	1916
59,255	292,298	16 9	422,021	114,642	78 6	168,270	224,178	42 9	1917.
91,724	305,646	23 1	561,448	88,137	86 4	200,809	204,099	49 6	1918.
69,504	486,304	12.5	399,579	209,418	65 6	240,601	252,602	48 8	1919.
124,314	1,113,825	10.0	547,308	255,149	68 2	380,702	496,023	43 4	1920.
	314,707		236,458	125,289	65 4	267,887	352,164	43 2	1921.
53,115	344,304	11.1	370,871	181,806	67 1	245,181	417,767	37 0	1922. *
52,164	478,044	9.8	471,775	248,954	65 5	241,388	529,912	31 3	1923. *
62,044	459,556	11 9	462,898	192,989	70 6	241,778	507,568	32 3	1924. *
72,171	360,735	16.7	517,010	238,075	68 5	269,060	526,673	33 8	1925. *
57,192	360,625	13 7	568,379	235,954	70 7	305,481	571,147	34 8	1926. *
75,698	375,151	16.8	527,187	222,614	70 3	310,780	567,817	35 4	1927. *
75,115	330,699	18 5	641,456	221,375	71 0	345,671	560,502	38 1	1928. *
82,375	341,247	19 4	630,586	254,465	71 2	397,704	595,804	40 0	1929. *
18,153	215,295	26.6	448,618	159,536	73 8	359,041	397,981	47.4	1930. *
	153,207		267,649	104,394	71 9	256,012	293,263	46 6	1931. *
66,640	107,287	38 3	147,963	69,004	68 2	170,271	170,320	50 0	1932. *
78,492	126,878	38 2	177,989	114,016	61 0	133,170	189,051	41 3	1933. *

*See headnote and supplemental Table No. 474, p. 416.

No. 474.—SUPPLEMENT TO TABLE 473: FREE AND DUTIABLE GENERAL IMPORTS OF MERCHANDISE ADJUSTED FOR VALUES OF WHEAT AND WOOL CLASSIFIED AS DUTIABLE BUT ENTERED FREE UNDER SPECIAL PROVISIONS, 1926 TO 1933

NOTE—All figures in thousands of dollars. Since 1922 there is an understatement of the value of free goods in the figures for general imports resulting from the following facts. (1) Wheat imported (practically all coming from Canada) for 1922 to 1925 was all reported as dutiable when first entered, but most of it was subsequently used for milling-in-bond for export and in that case no duty is collected; (2) carpet wool for 1922 to 1933 was nearly all reported as dutiable when first entered but most of it is subsequently used for making carpets in which case no duty is collected. These shifts affect the general total and the totals for the economic classes of crude materials, and crude foodstuffs in Table 473. The following table shows for these classes approximately the proportions free and dutiable since 1925 after adjusting for these shifts. It also shows approximate adjusted figures of free and dutiable imports from Canada. The shift of carpet wool from dutiable to free likewise affects somewhat the proportions free and dutiable in imports from countries supplying carpet wool (principally United Kingdom, China, Argentina, Chile, and India), but no adjustments have been made for such countries or for continent totals. See Table 526 of the 1930 Statistical Abstract for adjustments for 1922, 1923, 1924 and 1925

	1926	1927	1928	1929	1930	1931	1932	1933
WHEAT								
Imports entered for consumption.								
Total.....	22,129	14,679	23,189	(1)	(1)	(1)	(1)	(1)
Free for manufacture and export.....	21,489	14,651	22,908	(1)	(1)	(1)	(1)	(1)
Per cent free.....	97.1	99.8	98.8	(1)	(1)	(1)	(1)	(1)
General imports dutiable.....	19,692	15,344	22,040	(2)	(2)	(2)	(2)	(2)
Estimated general imports classified as dutiable but entered free under special provision.....	18,982	15,313	21,776	(2)	(2)	(2)	(2)	(2)
CARPET WOOL								
Imports entered for consumption:								
Total.....	33,075	35,550	39,556	46,148	11,706	16,533	4,794	12,541
Free for manufacture into carpets.....	29,978	32,809	35,674	41,459	9,183	15,636	4,384	11,317
Per cent free.....	90.6	92.3	90.2	89.8	78.4	94.6	91.4	90.2
General imports free and dutiable:								
Total.....	30,102	37,470	37,947	46,988	18,994	14,354	3,602	12,740
Estimated general imports entered free.....	27,272	34,585	34,288	42,195	14,891	13,579	3,292	11,491
Carpet wool entered free.....	5,214	3,712	4,993	6,877	2,113	2,295	621	2,099
Estimated general imports classified as dutiable but entered free under special provision.....	22,058	30,873	29,295	35,318	12,778	11,284	2,671	9,392
	1926		1927		1928		1929	
	Reported	Adjusted	Reported	Adjusted	Reported	Adjusted	Reported	Adjusted
All commodities.....	4,430,888	4,430,888	4,184,742	4,184,742	4,091,444	4,091,444	4,399,861	4,399,861
Free.....	2,853,411	2,894,451	2,621,873	2,668,059	2,616,239	2,667,310	2,843,354	2,878,672
Dutiable.....	1,577,477	1,536,437	1,562,869	1,516,683	1,475,205	1,424,134	1,556,007	1,520,689
Per cent free.....	64.4	65.3	62.7	63.8	63.9	65.2	64.6	65.4
Crude foodstuffs¹.....	539,818	539,818	504,686	504,686	549,892	549,892	-----	-----
Free.....	438,594	457,576	392,971	408,284	431,587	453,363	-----	-----
Dutiable.....	101,224	82,242	111,715	96,402	118,305	96,529	-----	-----
Per cent free.....	81.2	84.8	77.9	80.9	78.5	82.4	-----	-----
Crude materials.....	1,792,292	1,792,292	1,600,809	1,600,809	1,466,734	1,466,734	1,558,620	1,558,620
Free.....	1,483,772	1,505,830	1,315,237	1,346,110	1,222,411	1,251,706	1,289,317	1,324,635
Dutiable.....	308,520	286,462	285,572	254,699	244,323	215,028	269,303	233,985
Per cent free.....	82.8	84.0	82.2	84.1	83.3	85.3	83.0	86.0
From Canada¹.....	475,881	475,881	475,028	475,028	489,303	489,303	-----	-----
Free.....	352,245	371,227	344,193	359,506	355,484	377,260	-----	-----
Dutiable.....	123,636	104,654	130,835	115,522	133,819	112,043	-----	-----
	1930		1931		1932		1933	
	Reported	Adjusted	Reported	Adjusted	Reported	Adjusted	Reported	Adjusted
All commodities.....	3,060,908	3,060,908	2,090,635	2,090,635	1,322,774	1,322,774	1,449,559	1,449,559
Free.....	2,051,110	2,063,888	1,381,435	1,392,719	879,043	881,714	878,100	887,492
Dutiable.....	1,009,798	997,020	709,199	697,915	443,731	441,060	571,459	562,067
Per cent free.....	67.0	67.4	66.1	66.6	66.5	66.7	60.6	61.2
Crude materials.....	1,002,161	1,002,161	642,173	642,173	358,325	358,325	418,150	418,150
Free.....	834,120	846,898	524,541	535,825	286,731	289,402	298,250	307,642
Dutiable.....	168,041	155,263	117,632	106,348	71,594	68,923	119,900	110,508
Per cent free.....	83.2	84.5	81.7	83.4	80.0	80.8	71.3	73.6

¹ Beginning 1929, all grain for milling-in-bond was reported free when entered; therefore no adjustment in crude foodstuffs and imports from Canada is necessary after 1928.

² Includes wheat valued at \$139,000 entered free.

³ Wheat valued at \$139,000 entered free.

No. 475.—PERCENTAGE DISTRIBUTION OF EXPORTS AND GENERAL IMPORTS, BY CONTINENTS

NOTE.—Percentages are based on figures shown in Table 476. See headnote to that table

Yearly average or year	Per cent of total exports								Per cent of total imports							
	North America		South America	Europe ¹	Asia	Oceania	Africa		North America		South America	Europe	Asia	Oceania	Africa	
	North- ern ²	South- ern							North- ern	South- ern						
1821	4.4	22.0	4.1	65.3	3.6	0.1	0.6		0.7	21.7	12.9	64.2	9.8	0.1	0.7	
1830	3.9	20.0	4.4	66.1	2.7	(2)	0.3		1.2	17.2	7.8	64.0	10.0	(1)	4	
1840	4.9	13.9	4.6	74.4	1.3	3	0.6		1.2	15.7	9.8	62.8	10.9	(2)	.5	
1850	6.6	9.9	5.4	73.2	2.4	1	1.0		3.0	9.3	9.2	71.0	7.2	(3)	1.0	
1860	6.9	8.3	4.7	74.2	2.4	1	1.0		14.7	10.5	9.9	61.3	8.3	1.3	1.0	
1870	10.0	20.5	7.2	57.7	1.4	2.4	1.8		8.3	17.1	9.9	45.2	10.8	1.5	1.4	
1870	5.5	7.9	3.9	79.8	1.5	1.0	0.5		8.3	17.1	9.9	55.1	8.7	1.4	.6	
1871-1875	6.4	7.2	4.0	80.2	1.0	.8	.4		5.9	16.6	11.0	55.6	9.7	7	.6	
1876-1880	5.0	5.4	3.3	83.1	1.7	1.1	.6		5.6	17.6	13.8	50.3	11.3	9	.5	
1881-1885	5.4	5.7	3.6	81.1	2.2	1.6	.5		6.3	14.4	11.4	55.1	10.5	1.7	.6	
1886-1890	5.2	6.0	3.3	79.1	2.6	1.0	.5		5.6	13.8	11.5	56.0	10.4	2.3	.6	
1891-1895	5.5	6.8	3.7	79.5	2.3	1.6	.5		4.6	16.3	14.9	50.6	10.1	3.2	.6	
1896-1900	6.9	5.6	3.1	76.7	3.9	2.3	1.5		5.0	10.3	13.2	62.6	14.6	3.2	1.3	
1901-1905	8.6	6.7	3.2	72.3	5.3	2.0	1.9		5.4	13.3	12.5	51.3	15.4	.9	1.1	
1906-1910	10.2	8.7	4.6	68.2	5.5	1.8	1.0		5.9	13.3	11.7	51.3	15.2	1.2	1.2	
1911-1915	14.2	7.7	5.2	64.0	5.6	2.2	1.1		7.7	14.5	12.8	46.6	15.8	1.1	1.4	
1915-1920 ³	12.0	7.5	6.8	62.2	11.3	1.7	1.3		12.7	17.5	17.6	20.3	27.1	1.2	2.7	
1921-1925	14.3	10.1	6.8	62.2	11.3	3.2	1.6		11.5	14.9	16.2	30.4	27.7	1.6	2.1	
1926-1930	17.4	8.4	9.4	46.8	12.0	3.7	2.3		11.9	11.4	13.5	30.0	29.6	1.3	2.3	
1910-1914	14.8	8.4	5.6	62.3	5.6	2.2	1.1		7.0	13.5	12.2	49.5	15.3	1.0	1.3	
1915-1919 ⁴	12.0	6.4	4.7	66.6	7.6	1.6	1.0		12.8	17.5	18.5	20.9	25.6	2.3	2.4	
1890	4.9	6.1	4.5	79.7	2.4	1.9	.5		5.0	13.8	11.4	57.1	10.2	2.1	.4	
1891	4.5	6.4	3.8	79.7	2.9	2.1	.5		4.7	14.6	14.1	54.5	9.3	2.4	.5	
1892	4.4	5.9	3.2	82.6	2.0	1.5	.5		4.3	16.8	18.2	47.3	10.7	2.0	.6	
1893	5.8	8.4	3.9	78.1	2.0	1.3	.6		4.4	16.8	11.8	52.9	11.5	1.9	.7	
1894	6.6	6.9	3.7	78.6	2.4	1.3	.6		4.8	20.7	15.3	45.1	11.4	2.2	.5	
1895	6.7	6.7	4.2	77.8	2.2	1.6	.8		5.1	13.2	15.3	52.4	11.5	1.7	.8	
1896	6.9	6.3	4.1	76.3	2.9	1.9	1.6		5.3	11.0	14.0	50.7	12.1	2.6	1.4	
1897	6.3	5.6	3.2	77.4	3.7	2.1	1.4		5.3	8.5	14.0	53.3	12.0	3.0	1.2	
1898	6.9	4.4	2.7	79.7	3.6	1.4	1.4		5.2	9.6	14.9	49.7	15.7	2.7	1.2	
1899	7.3	5.6	2.9	76.3	4.0	2.4	1.5		5.5	11.5	12.4	60.8	16.0	3.2	1.5	
1900	7.0	6.5	2.8	74.6	4.8	2.9	1.4		4.7	10.6	11.0	61.8	17.2	3.4	1.3	
1901	7.3	6.0	3.0	76.4	3.6	2.1	1.7		5.2	12.4	13.4	52.2	14.8	.8	1.1	
1902	8.1	6.7	2.8	73.0	5.0	2.1	2.4		5.4	11.3	13.3	52.6	15.1	.8	1.5	
1903	8.9	6.3	2.9	72.5	4.4	2.4	2.7		5.4	13.1	10.5	53.4	15.5	.8	1.2	
1904	9.2	6.9	3.5	72.4	4.4	1.9	1.7		5.3	14.7	12.1	50.3	15.7	.8	1.0	
1905	9.4	7.7	3.7	67.2	8.9	1.8	1.2		5.7	14.6	13.5	48.4	15.6	1.1	1.0	
1906	9.2	8.5	4.3	68.8	6.4	1.7	1.1		5.7	13.5	11.4	51.6	15.7	1.0	1.0	
1907	9.9	8.7	4.4	69.0	5.4	1.7	.9		5.2	13.2	11.2	52.1	15.6	1.3	1.5	
1908	9.2	8.3	4.5	69.0	6.1	1.9	1.1		5.4	13.6	10.5	50.9	16.0	1.2	1.4	
1909	10.1	8.5	4.6	69.0	5.0	1.8	1.0		6.1	13.2	12.5	49.9	15.8	1.3	1.2	
1910	12.6	9.6	5.3	65.1	4.5	2.0	1.1		6.2	13.5	12.6	51.8	13.5	1.3	1.1	
1911	13.4	8.9	5.3	63.8	5.1	2.3	1.2		6.7	13.3	12.0	50.3	15.1	.8	1.8	
1912	15.1	8.3	6.0	60.9	6.4	2.2	1.1		6.7	13.5	13.0	49.6	15.0	.8	1.4	
1913	17.0	8.0	5.9	60.0	5.7	2.2	1.2		6.7	13.2	12.0	49.2	16.4	.9	1.5	
1914	14.8	7.5	5.3	62.9	6.0	2.4	1.2		8.6	14.0	11.8	47.3	16.1	1.3	1.0	
1915	11.1	6.2	3.6	71.2	5.0	1.9	1.0		9.6	18.6	15.6	36.7	10.2	1.7	1.5	
1915 (6 mos)	11.0	6.5	4.5	69.7	5.1	2.1	1.1		11.8	15.4	18.2	29.8	21.0	2.0	1.8	
1916	11.2	5.7	4.0	69.6	7.1	1.5	1.0		10.0	17.5	17.9	26.5	23.0	2.5	2.6	
1917	13.5	6.8	5.0	65.2	7.5	1.2	.8		14.2	15.3	20.3	18.7	27.8	1.2	2.5	
1918	14.6	6.9	4.9	62.8	8.1	1.8	1.0		15.1	17.1	20.2	10.5	31.0	3.4	2.8	
1919	9.5	6.9	5.6	65.5	9.7	1.6	1.2		12.8	16.8	17.6	10.2	28.4	2.3	2.9	
1920	12.0	11.5	7.6	54.3	10.6	2.1	2.0		11.6	19.9	14.4	23.3	26.5	1.5	2.8	
1921	13.4	11.8	6.1	52.7	11.9	2.5	1.6		13.5	16.6	11.8	30.5	24.6	1.4	1.6	
1922	15.2	8.7	5.9	54.4	11.7	2.7	1.5		11.8	14.6	11.5	31.8	26.6	1.6	2.1	
1923	15.8	10.2	6.5	50.2	12.3	3.5	1.5		11.0	15.4	12.3	30.5	26.9	1.6	2.3	
1924	13.8	9.9	6.8	53.3	11.2	3.4	1.5		11.1	16.4	12.9	30.4	25.8	1.4	2.0	
1925	13.4	9.8	8.2	53.0	9.9	3.9	1.8		10.9	12.3	12.3	29.3	31.2	1.8	2.2	
1926	15.5	8.9	9.2	48.0	11.7	4.4	2.1		11.0	11.9	12.8	29.0	31.6	1.5	2.2	
1927	17.3	8.4	9.0	47.6	11.5	4.0	2.2		11.6	12.0	12.4	30.5	30.0	1.3	2.2	
1928	18.1	7.7	9.4	46.3	12.8	3.5	2.3		12.2	11.3	13.9	30.5	28.6	1.3	2.2	
1929	18.3	8.3	10.3	44.7	12.3	3.6	2.5		11.7	10.6	14.5	30.3	29.1	1.3	2.5	
1930	17.5	9.1	8.8	47.8	11.7	2.8	2.4		13.5	11.3	14.2	29.7	28.0	1.1	2.2	
1931	16.7	7.7	6.6	48.9	15.9	1.7	2.5		13.1	11.5	14.7	30.6	27.4	.9	1.6	
1932	14.8	7.4	6.1	48.6	18.5	2.3	2.2		13.7	11.9	15.2	29.4	27.4	.6	1.8	
1933	12.3	7.5	6.9	50.9	17.7	2.1	2.6		13.2	8.8	14.0	31.9	29.4	.9	1.9	

¹ See headnotes to Table 476 and Table 477.

² Less than one-tenth of 1 per cent.

³ Period July 1, 1915, to Dec 31, 1920.

⁴ Fiscal years.

No. 476.—EXPORTS (INCLUDING REEXPORTS) AND GENERAL

NOTE.—All figures in thousands of dollars. Merchandise only, specie values, except for 1933, for that except as noted. See headnote, Table 472, concerning averages for 1910-14 and 1915-19. The Philip to Northern North America and to Europe adjusted for recent years for grain shipments to Canada,

Yearly average or year	Exports							
	Total	North America		South America	Europe ¹	Asia	Oceania	Africa
		Northern ¹	Southern					
1821-----	54,496	2,392	11,965	2,208	35,575	1,977	71	309
1830-----	71,671	2,802	14,723	4,586	47,393	1,906	27	234
1840-----	123,669	6,090	17,241	5,714	92,039	1,560	330	696
1850-----	144,376	9,619	14,254	7,730	108,638	3,028	190	987
1860-----	333,576	22,883	29,273	15,706	249,425	8,100	4,962	3,227
1865-----	166,029	16,618	34,003	12,026	95,744	2,350	4,016	1,273
1870-----	392,772	21,703	31,100	15,188	313,315	5,773	3,873	1,820
1871-1875-----	501,841	32,034	36,188	20,235	402,268	5,029	3,969	2,117
1876-1880-----	676,761	33,714	36,303	22,087	562,202	11,236	7,437	3,782
1881-1885-----	791,892	42,636	44,836	28,212	641,824	17,526	12,785	4,074
1886-1890-----	738,379	38,758	43,053	32,046	585,681	20,389	15,070	3,882
1891-1895-----	892,421	49,310	60,724	33,247	709,239	20,672	13,965	5,263
1896-1900-----	1,187,318	79,961	65,375	35,699	887,401	45,263	26,338	17,281
1901-1905-----	1,453,803	124,560	97,733	46,246	1,050,540	76,942	29,738	28,044
1906-1910-----	1,778,697	180,836	154,743	82,142	1,212,978	97,240	32,358	18,400
1911-1915-----	2,370,539	337,091	182,315	122,243	1,517,404	133,348	51,506	26,632
1915-1920 ² -----	6,521,190	780,221	503,439	360,744	4,123,523	562,476	109,121	81,668
1921-1925-----	4,397,026	627,381	444,578	297,115	2,317,944	498,853	141,426	69,729
1926-1930-----	4,777,315	829,868	403,175	447,860	2,235,613	573,973	177,239	109,596
1910-1914-----	2,165,818	319,890	181,205	121,028	1,350,300	121,042	47,715	24,638
1915-1919 ³ -----	5,308,823	638,704	340,971	250,837	3,534,473	403,716	87,262	52,860
1890-----	857,829	41,967	52,133	38,753	683,736	20,279	16,346	4,614
1891-----	884,481	39,844	56,705	33,708	704,798	26,170	18,497	4,758
1892-----	1,030,278	45,260	60,306	33,148	850,623	20,368	15,512	5,061
1893-----	847,665	48,826	70,963	32,639	661,977	17,017	11,046	5,196
1894-----	892,141	58,470	61,223	33,212	700,871	21,668	11,772	4,924
1895-----	807,538	54,152	64,424	33,526	627,928	18,134	12,997	6,878
1896-----	882,607	61,231	55,336	36,298	673,044	25,792	17,035	13,871
1897-----	1,080,994	66,196	58,762	33,769	813,386	39,370	22,558	10,953
1898-----	1,231,482	85,095	54,533	33,822	973,806	44,836	21,875	17,516
1899-----	1,227,023	89,765	68,167	35,660	936,602	48,764	20,471	18,594
1900-----	1,394,483	97,517	90,078	38,946	1,040,168	67,554	40,751	19,470
1901-----	1,487,765	107,967	88,567	44,400	1,136,505	53,418	31,365	25,543
1902-----	1,381,719	111,877	92,094	38,044	1,008,034	69,203	29,000	33,460
1903-----	1,420,142	125,967	89,515	41,138	1,029,257	62,398	33,430	38,437
1904-----	1,400,827	133,960	100,950	50,755	1,057,930	64,984	28,018	24,230
1905-----	1,518,562	143,030	117,540	56,894	1,020,973	134,705	26,879	18,541
1906-----	1,743,865	159,806	148,577	75,160	1,200,166	110,911	29,682	19,562
1907-----	1,880,851	186,176	163,664	82,157	1,298,452	101,365	32,525	16,511
1908-----	1,860,773	170,669	154,005	83,584	1,283,600	113,247	35,327	20,341
1909-----	1,663,011	167,423	142,054	76,562	1,146,755	82,982	30,200	17,035
1910-----	1,744,985	220,104	165,416	93,247	1,135,915	77,694	34,057	18,551
1911-----	2,049,320	274,478	182,582	108,895	1,308,276	105,146	46,338	23,607
1912-----	2,204,322	333,900	182,938	132,310	1,341,733	141,198	48,200	24,043
1913-----	2,465,824	429,404	197,009	146,148	1,479,075	140,441	53,718	29,089
1914-----	2,364,579	350,563	178,082	124,540	1,486,499	140,730	56,264	27,902
1915-----	2,768,589	306,112	170,964	99,324	1,971,435	139,226	53,009	28,520
1915 (6 mos.)-----	1,852,863	203,475	119,952	83,555	1,291,914	94,712	38,254	21,000
1916-----	5,482,641	613,416	311,137	220,267	3,813,278	387,735	82,797	54,011
1917-----	6,233,513	839,305	422,398	311,893	4,061,729	469,402	77,402	51,384
1918-----	6,149,088	900,248	425,238	302,710	3,858,698	498,477	104,519	59,198
1919-----	7,920,426	749,950	545,842	441,748	5,187,666	771,717	125,585	97,918
1920-----	8,228,016	984,818	944,345	623,917	4,466,091	871,579	171,605	165,662
1921-----	4,485,031	600,434	529,146	273,325	2,363,899	532,615	112,766	72,847
1922-----	3,831,777	583,451	392,203	226,075	2,083,357	448,970	101,945	55,776
1923-----	4,167,493	680,507	425,661	269,318	2,093,415	511,499	146,423	60,671
1924-----	4,590,984	633,876	456,165	314,252	2,445,300	514,592	156,505	70,294
1925-----	4,909,848	658,640	479,714	402,606	2,603,750	486,592	189,489	89,057
1926-----	4,808,660	747,685	428,797	443,507	2,310,144	564,543	212,705	101,279
1927-----	4,865,375	845,307	407,720	438,159	2,313,782	559,605	193,714	107,088
1928-----	5,128,356	924,172	397,195	480,815	2,374,916	654,514	180,033	116,713
1929-----	5,240,995	961,473	433,590	539,310	2,340,848	643,215	192,022	130,535
1930-----	3,843,181	670,652	348,574	337,609	1,838,375	447,987	107,719	92,365
1931-----	2,424,289	403,732	187,094	158,691	1,186,885	386,352	41,574	59,961
1932-----	1,611,016	245,736	119,216	96,589	784,299	292,428	36,774	35,974
1933-----	1,674,994	214,833	126,026	114,048	849,778	292,284	35,109	42,916

¹ See headnote and supplemental Table 477 on p. 420.

IMPORTS OF MERCHANDISE DISTRIBUTED BY CONTINENTS

year, dollar currency values. Figures cover fiscal years to and including 1915, calendar years thereafter, pine Islands are included with Asia for all years, Hawaiian Islands are with Oceania prior to 1901. Exports which are actually in transit to Europe are shown in Table 177, p. 420

General imports							
Total	North America		South America	Europe	Asia	Oceania	Africa
	Northern	Southern					
54,521	402	11,816	1,570	35,000	5,324	34	375
62,721	398	10,793	4,919	40,117	6,241	18	234
95,259	1,223	15,421	8,606	61,721	10,686	152	445
173,509	5,180	16,116	16,038	122,115	12,434	9	618
353,616	23,730	44,180	34,929	216,661	29,239	1,170	3,706
238,746	35,007	46,663	23,221	115,002	14,449	1,124	3,279
435,958	36,265	74,435	42,964	240,187	37,773	1,612	2,722
577,873	33,840	96,124	63,357	321,067	55,794	3,955	3,736
492,570	27,000	80,046	68,185	247,520	55,635	4,619	2,305
667,142	41,989	90,309	75,940	367,542	69,906	11,370	4,085
717,231	40,236	98,819	82,427	401,745	74,430	16,158	3,406
785,137	36,335	128,043	116,797	397,622	85,169	16,257	4,914
741,519	37,266	76,007	97,713	389,843	107,999	22,781	9,810
972,162	52,762	129,634	121,748	498,296	149,637	9,035	11,151
1,344,838	79,511	180,192	157,126	689,838	205,041	16,601	16,529
1,712,319	131,455	248,943	219,923	798,115	270,797	19,020	24,065
3,358,354	425,337	588,103	591,295	1,682,298	910,340	70,134	90,848
3,450,103	396,669	514,233	421,336	1,049,494	942,673	53,994	71,499
4,033,469	473,737	640,467	545,788	1,210,511	1,192,632	53,137	91,207
1,688,874	118,518	228,618	200,858	836,498	258,534	17,276	22,573
2,514,557	321,382	439,019	466,212	1,255,122	642,479	59,002	61,342
789,310	39,434	108,934	90,006	449,987	80,863	16,764	3,321
844,916	39,450	123,776	118,737	459,305	78,987	20,454	4,207
827,402	35,335	138,719	150,728	391,628	88,550	16,824	5,318
866,401	38,254	145,479	102,208	458,450	99,316	16,838	5,857
654,995	31,444	135,519	100,147	295,078	74,878	14,450	3,479
731,970	37,191	96,724	112,167	383,046	83,613	12,720	5,709
779,725	41,376	85,501	108,828	418,639	94,575	19,632	11,173
784,730	40,863	65,061	107,389	430,192	91,678	20,017	9,530
1,166,050	32,404	58,973	92,092	305,934	96,425	23,029	7,194
697,148	31,690	80,460	86,588	353,885	111,501	22,558	10,436
849,941	39,999	90,037	93,667	440,567	145,814	28,640	11,218
823,172	42,935	102,223	110,367	429,620	122,099	6,974	8,954
903,321	48,846	102,230	119,786	475,162	136,295	7,554	13,448
1,025,719	55,669	134,067	107,428	547,227	159,075	9,671	12,582
991,087	52,701	146,078	120,364	498,697	155,676	8,244	9,427
1,117,513	63,657	163,572	150,796	540,773	174,641	12,731	11,344
1,226,562	69,603	165,750	140,423	633,292	192,434	12,432	12,629
1,434,421	74,813	188,763	160,166	747,291	223,986	18,275	21,127
1,194,342	76,301	162,515	124,999	608,014	191,332	14,891	16,291
1,311,920	80,467	173,533	163,879	654,323	206,982	17,628	15,109
1,556,947	96,371	210,397	196,165	806,270	210,473	19,782	17,490
1,527,226	102,264	203,233	182,624	768,168	230,850	12,874	27,214
1,053,265	110,145	223,927	215,059	819,585	248,725	13,207	22,586
1,813,008	121,764	240,179	217,755	892,866	297,505	16,533	26,425
1,893,926	162,046	265,353	222,677	895,603	305,115	23,982	19,149
1,674,170	161,055	312,025	261,490	614,355	271,790	28,502	24,953
912,787	107,626	140,821	166,239	271,684	191,667	18,021	16,730
2,391,635	240,161	418,277	427,610	633,317	550,866	59,511	61,893
2,952,468	419,124	452,858	598,819	551,145	820,624	36,835	73,064
3,031,213	457,660	516,955	610,931	318,121	939,301	102,737	85,506
3,904,365	500,165	657,609	687,525	750,528	1,107,733	88,616	112,188
1,578,481	614,618	1,048,045	760,999	1,227,843	1,996,677	80,014	150,285
2,509,148	337,632	417,217	295,623	764,942	617,862	35,499	40,373
3,112,747	366,524	455,930	358,763	991,203	826,386	48,517	64,924
3,792,066	418,348	583,169	467,421	1,157,056	1,019,811	59,200	87,061
3,609,963	402,047	593,108	466,074	1,096,087	930,708	48,945	72,992
4,226,589	458,791	521,742	518,797	1,238,181	1,319,126	77,808	92,144
4,430,888	485,503	526,067	567,979	1,285,863	1,400,701	68,355	96,420
4,184,742	484,499	500,958	518,275	1,276,466	1,256,758	54,531	93,255
4,091,444	499,859	460,748	569,410	1,248,749	1,168,928	53,450	90,207
4,399,361	514,370	467,159	639,758	1,332,630	1,280,279	56,557	108,608
3,060,908	414,355	347,356	433,518	908,845	456,496	32,791	67,547
2,090,635	277,111	239,930	307,190	640,095	574,301	19,120	32,888
1,322,774	181,413	157,107	200,902	388,963	362,454	7,691	24,241
1,449,559	190,651	127,116	202,280	462,189	426,863	13,190	28,265

² Period July 1, 1915, to Dec 31, 1920

³ Fiscal years ended June 30.

No. 477.—SUPPLEMENT TO TABLES 475, 476, AND 484: ADJUSTED FIGURES OF EXPORTS TO CANADA, NORTH AMERICA, NORTHERN NORTH AMERICA, AND EUROPE

NOTE.—Especially from 1920 through 1929 large quantities of United States grain wereshipped through Canada (mostly via Montreal) to other foreign countries. Since the final destination is customarily not known when shipped, this grain is reported as an export to Canada, but as a matter of fact practically all of it except from five to ten million dollars' worth of corn annually goes thence to Europe. In the following table the reported figures of total value of exports are adjusted on the assumption that all this grain was destined for Europe, an assumption adopted for convenience and involving only a small margin of error. Figures cover fiscal years for 1910-1914; calendar, for all other years.

[Millions and tenths of millions of dollars]

Yearly average or year	Grain reported as exported to Canada	Adjusted figures deducting such grain from exports to Canada and adding to exports to Europe						
		Values of exports to—				Per cent of exports to entire world to—		
		Canada	Northern North America	North America	Europe	Northern North America	North America	Europe
1910-1914.....	7.1	308.0	313.0	494.0	1,357.4	14.4	22.8	62.7
1921-1925.....	72.4	546.6	555.0	999.6	2,390.3	12.6	22.7	54.4
1926-1930.....	63.5	756.0	766.4	1,169.5	2,299.1	16.0	24.5	48.1
1913.....	6.5	396.7	402.3	594.7	1,506.1	16.2	23.9	60.6
1921.....	79.9	513.8	520.6	1,049.7	2,443.8	11.6	23.4	54.5
1922.....	78.5	498.2	505.0	837.2	2,161.9	13.2	21.8	56.4
1923.....	40.6	611.3	619.9	1,045.6	2,134.0	14.9	25.1	51.2
1924.....	105.6	518.4	528.2	984.4	2,550.9	11.5	21.4	55.6
1925.....	57.2	591.5	601.4	1,081.1	2,661.0	12.2	22.0	54.2
1926.....	56.2	682.3	691.5	1,120.3	2,366.4	14.4	23.3	49.2
1927.....	113.9	722.6	731.4	1,139.1	2,427.7	15.0	23.4	49.9
1928.....	82.8	831.9	841.4	1,238.6	2,457.7	16.4	24.2	47.9
1929.....	49.4	899.0	912.1	1,345.7	2,390.2	17.4	25.7	45.6
1930.....	15.1	643.9	655.5	1,004.1	1,853.5	17.1	26.1	48.2
1931.....	10.2	386.2	393.6	580.7	1,197.0	16.2	24.0	49.4
1932.....	3.5	237.8	242.2	361.4	757.8	15.0	22.4	48.9
1933.....	2.3	208.3	212.5	338.5	862.1	12.7	20.2	50.9

No. 478.—SUPPLEMENT TO TABLES 479, 480, AND 481: ADJUSTED FIGURES OF EXPORTS OF UNITED STATES MERCHANDISE TO NORTH AMERICA AND EUROPE BY ECONOMIC CLASSES

[All figures except percentages in thousands of dollars. See headnote to Table 477]

	1910-1914	1921-1925	1926-1930	1931	1932	1933
ADJUSTED EXPORTS (GRAINS EXPORTED TO CANADA TREATED AS EXPORTED TO EUROPE) ¹						
North America.....	476,127	956,958	1,113,469	558,849	346,639	323,782
Foodstuffs.....	79,049	168,135	151,772	73,374	43,296	38,600
Crude foodstuffs.....	24,394	55,464	51,566	25,719	15,004	12,783
Europe.....	1,340,920	2,351,854	2,270,077	1,176,377	770,261	841,250
Foodstuffs.....	306,733	768,322	504,842	246,027	160,917	139,145
Crude foodstuffs.....	96,722	348,721	227,991	85,605	59,650	28,960
Per cent of total exports of foodstuffs exported to—						
North America.....	18.8	16.5	20.1	19.6	17.9	19.0
Europe.....	72.8	75.2	66.8	65.8	66.6	68.6
Percentage distribution of total adjusted exports to—						
North America.....	100.0	100.0	100.0	100.0	100.0	100.0
Crude materials.....	18.1	17.3	15.9	18.3	22.0	23.5
Foodstuffs.....	16.6	17.6	13.6	13.1	12.5	11.9
Semimanufactures.....	14.8	12.8	14.5	14.4	14.5	16.2
Finished manufactures.....	50.5	52.3	56.0	54.2	51.0	48.4
Europe.....	100.0	100.0	100.0	100.0	100.0	100.0
Crude materials.....	44.4	37.1	34.1	25.2	38.1	45.2
Foodstuffs.....	22.9	32.7	22.2	20.9	20.9	16.5
Semimanufactures.....	17.1	11.2	14.0	13.3	12.1	13.3
Finished manufactures.....	15.6	19.0	29.7	40.5	29.0	24.9

¹ See Table 477 for grain exports to Canada and for reasons for adjustments.

No. 479.—FOREIGN TRADE WITH EACH CONTINENT, BY ECONOMIC CLASSES

NOTE.—Values in millions and tenths of millions of dollars. Data prior to 1915 are for years ended June 30, thereafter, for calendar years. The Philippine Islands are included in Oceania prior to 1922 and in Asia for later years, therefore, Asia and Oceania are combined for the averages through 1925. For data by countries, see annual volumes of "Foreign Commerce and Navigation."

	1905- 1909 ¹	1910- 1914 ¹	1921- 1925 ¹	1926- 1930 ¹	1931	1932	1933
EXPORTS OF U. S. MERCHANDISE							
North America ²	297.6	483.3	1,029.3	1,177.0	569.0	350.2	326.1
Crude materials	56.7	86.2	165.9	170.6	102.3	76.3	76.0
Crude foodstuffs ³	20.8	31.5	127.8	115.1	35.9	18.5	15.1
Manufactured foodstuffs	39.3	54.7	112.7	100.2	47.7	28.3	25.8
Semimanufactures	35.9	70.4	122.6	161.8	80.4	50.1	52.5
Finished manufactures	145.1	240.6	500.3	623.3	302.7	176.9	166.7
South America	74.4	120.5	294.1	445.4	157.5	96.0	113.3
Crude materials	.8	2.7	7.9	7.1	3.3	2.1	2.5
Crude foodstuffs	.9	1.3	4.0	7.8	5.6	11.2	2.0
Manufactured foodstuffs	8.5	11.9	21.9	20.3	10.7	4.7	4.9
Semimanufactures	11.5	21.8	46.1	65.8	25.3	14.0	18.8
Finished manufactures	52.7	82.8	214.3	335.4	112.6	63.9	85.0
Europe ²	1,178.0	1,333.8	2,279.5	2,206.6	1,168.2	766.7	838.9
Crude materials	459.7	594.9	873.5	773.1	296.9	203.1	380.2
Crude foodstuffs ⁴	131.0	89.6	276.4	164.5	75.4	56.1	26.6
Manufactured foodstuffs	255.5	210.0	419.6	276.9	160.4	101.3	110.2
Semimanufactures	174.4	229.8	263.7	318.7	156.5	93.2	112.3
Finished manufactures	157.5	209.5	446.3	673.4	476.9	223.0	206.6
Asia ²	139.0	168.2	637.7	572.7	384.2	290.9	291.1
Crude materials	17.2	27.1	135.0	172.3	157.8	137.2	127.1
Crude foodstuffs	2.8	3.1	13.9	11.2	9.3	3.3	4.3
Manufactured foodstuffs	15.1	15.2	36.7	37.7	23.2	14.8	10.0
Semimanufactures	14.2	17.1	96.4	89.7	45.8	31.2	41.5
Finished manufactures	89.6	105.8	355.6	261.9	148.1	104.4	105.3
Oceania				178.8	41.3	36.5	34.9
Crude materials				9.3	3.7	2.4	2.4
Crude foodstuffs				.7	.4	.1	.2
Manufactured foodstuffs				4.6	1.3	1.1	1.3
Semimanufactures				19.0	5.0	5.4	4.8
Finished manufactures				143.2	31.1	27.6	26.2
Africa	18.4	24.6	69.6	109.4	59.7	35.9	42.8
Crude materials	1.4	2.3	6.4	5.4	2.8	2.6	2.4
Crude foodstuffs	2.1	1.0	1.7		.4	.1	.1
Manufactured foodstuffs	3.7	3.2	6.8	7.1	3.6	2.0	2.4
Semimanufactures	1.6	2.5	5.7	7.6	4.6	2.8	4.1
Finished manufactures	9.5	15.6	49.0	88.6	48.4	28.4	33.8
GENERAL IMPORTS							
North America ²	243.8	347.1	910.9	940.2	517.0	338.5	317.8
Crude materials	76.8	114.0	420.6	180.2	75.6	42.6	43.1
Crude foodstuffs	35.2	53.8	413.4	144.5	33.4	59.4	54.7
Manufactured foodstuffs	74.2	102.7	429.3	202.8	81.0	58.0	63.3
Semimanufactures	39.7	46.4	142.4	184.1	97.0	59.5	64.7
Finished manufactures	17.9	30.1	156.8	228.6	179.2	124.1	92.0
South America	148.1	208.9	421.3	545.8	307.2	200.9	202.3
Crude materials	57.2	78.9	131.6	170.6	79.7	47.0	57.8
Crude foodstuffs	70.5	95.6	197.7	272.6	168.8	132.9	121.3
Manufactured foodstuffs	2.6	3.2	8.7	13.1	7.2	4.1	6.4
Semimanufactures	16.9	26.8	78.1	84.6	45.5	14.4	14.6
Finished manufactures	.8	2.4	5.3	5.0	5.9	2.5	2.1
Europe	636.7	836.5	1,049.5	1,210.5	640.1	389.0	462.2
Crude materials	166.8	229.4	425.9	256.5	126.9	69.4	87.7
Crude foodstuffs	21.3	30.3	27.7	34.1	20.6	11.3	10.0
Manufactured foodstuffs	55.0	70.9	79.7	94.5	59.1	44.0	49.6
Semimanufactures	138.1	196.5	423.5	325.3	149.9	101.7	145.5
Finished manufactures	255.5	309.4	424.6	500.1	283.6	162.6	169.4
Asia ²	213.1	275.8	998.9	1,192.6	574.3	362.5	425.9
Crude materials	113.1	151.0	655.3	785.4	329.6	184.0	205.2
Crude foodstuffs	20.7	23.0	34.0	37.7	23.8	20.0	17.1
Manufactured foodstuffs	19.5	17.5	66.9	81.6	71.7	71.7	84.4
Semimanufactures	23.3	37.1	108.7	142.0	70.9	36.8	61.5
Finished manufactures	36.5	47.2	131.9	145.9	78.4	49.9	57.7
Oceania				53.1	19.1	7.7	13.2
Crude materials				44.3	14.8	5.7	10.8
Crude foodstuffs				.3	.2	.1	.1
Manufactured foodstuffs				5.6	2.2	.9	1.4
Semimanufactures				1.7	.6	.3	.6
Finished manufactures				1.2	1.3	.7	.6
Africa	15.3	22.6	71.5	91.2	32.9	24.2	28.3
Crude materials	14.7	21.6	46.2	47.2	15.6	9.7	13.5
Crude foodstuffs	.3	.4	10.5	17.5	7.9	9.3	8.5
Manufactured foodstuffs	(⁵)	(⁵)	1.3	.6	.4	.3	.2
Semimanufactures	.1	.3	1.1	24.3	8.1	4.2	5.4
Finished manufactures	.2	.2	1.1	1.7	.9	.8	.6

¹ Average for period² See headnote to Table 477 and Supplemental Table 478.³ "Asia and Oceania" for 1905 to 1925.⁴ Revised.⁵ Less than \$50,000.

No. 480.—PER CENT EACH CONTINENT FURNISHES OR TAKES OF TOTAL TRADE IN EACH ECONOMIC CLASS

NOTE.—Percentages are based on data shown in Table 479 except calculations were made from the full figures. See also Supplemental Table 478

Continent	1905-1909, average	1910-1914, average	1921-1925, average	1926-1930, average	1932	1933	1905-1909, average	1910-1914, average	1921-1925, average	1926-1930, average	1932	1933
Crude materials						Foodstuffs						
Exports (U. S. mdse.):												
North America.....	10 6	12 1	14 0	15 4	14 8	12 9	12 5	20 4	23 5	28 5	19 4	20 2
South America.....	1	.4	7	.6	.4	.4	2 0	3 1	2 5	4 9	6 6	3 4
Europe.....	85 8	83 4	73 5	67 6	57 1	64 4	80 6	71 1	68 1	58 4	65 2	67 4
Asia and Oceania.....	3 2	3 8	11 4	15 9	27 2	21 9	3 7	4 3	5 0	7 2	8 0	7 8
Africa.....	.3	.3	5	.5	.5	.4	1 2	1 0	8	1 0	.9	1 2
General imports:												
North America.....	17 9	19 2	115 9	12 1	11 9	10 3	36 5	39 4	148 8	38 4	27 6	28 3
South America.....	13 4	13 3	10 2	11 5	13 1	13 8	24 4	24 9	24 8	31 5	33 7	30 6
Europe.....	38 9	38 6	119 6	17 3	19 4	21 0	25 5	25 4	12 9	14 2	13 6	14 3
Asia and Oceania.....	26 4	25 4	50 7	55 9	52 9	51 6	13 4	10 2	112 1	13 8	22 8	24 7
Africa.....	3 4	3 6	3 6	3 2	2 7	3 2	.1	.1	1 3	2 0	2 3	2 1
Semimanufactures						Finished manufactures						
Exports (U. S. mdse.):												
North America.....	15 1	20 6	22 9	24 4	25 5	22 1	31 9	36 8	32 0	29 3	28 3	25 4
South America.....	4 8	6 4	8 6	9 9	7 1	8 0	11 6	12 7	13 7	15 8	10 2	13 8
Europe.....	73 4	67 3	49 3	48 1	47 4	47 4	34 7	32 0	28 5	31 7	35 7	34 0
Asia and Oceania.....	6 0	5 0	18 0	16 4	18 6	20 8	19 7	16 2	22 7	19 1	21 1	21 3
Africa.....	.7	.7	1 1	1 2	1 4	1 7	2 1	2 4	3 1	4 2	4 5	5 5
General imports:												
North America.....	18 2	15 1	123 5	24 2	27 4	22 1	5 8	7 7	121 8	25 9	36 4	28 5
South America.....	7 7	8 7	12 9	11 1	6 6	5 0	3	.6	7	6	.7	6
Europe.....	63 3	64 0	143 5	42 7	46 9	49 8	82 2	79 5	159 0	56 7	47 7	52 6
Asia and Oceania.....	10 7	12 1	117 9	18 9	17 1	21 2	11 7	12 1	118 3	16 7	14 9	18 1
Africa.....	(?)	.1	2 2	3 2	1 9	1 9	1	.1	2	2	.2	2

¹ Revised.

² Less than one-tenth of 1 per cent.

No. 481.—PER CENT EACH ECONOMIC CLASS FORMS OF TOTAL TRADE WITH EACH CONTINENT

NOTE.—Percentages are based on data shown in Table 479, except calculations were made from the full figures. See also Supplemental Table 478

Class	1905-1909, average	1910-1914, average	1921-1925, average	1926-1930, average	1932	1933	1905-1909, average	1910-1914, average	1921-1925, average	1926-1930, average	1932	1933
North America						South America						
Exports (U. S. mdse.)	100 0	100 0	100 0	100 0	100 0	100 0	100 0	100 0	100 0	100 0	100 0	100 0
Crude materials.....	19 0	17 8	16 1	15 0	21 8	23 3	1 1	2 2	2 7	1 6	2 2	2 2
Foodstuffs.....	20 2	17 8	23 4	18 3	13 4	12 6	12 7	10 9	8 8	8 3	16 6	6 1
Semimanufactures.....	12 0	14 6	11 9	13 8	14 3	16 0	15 5	18 1	15 7	14 8	14 6	16 6
Finished manufactures.....	48 8	49 8	48 6	53 0	50 5	48 1	70 8	68 7	72 9	75 3	66 6	75 1
General imports:	100 0	100 0	100 0	100 0	100 0	100 0	100 0	100 0	100 0	100 0	100 0	100 0
Crude materials.....	31 5	32 9	122 6	19 2	12 6	13 6	38 7	38 1	31 2	31 3	23 4	28 6
Foodstuffs.....	44 9	45 1	144 5	36 9	33 2	37 1	49 4	47 8	49 0	52 3	68 2	63 1
Semimanufactures.....	16 3	13 4	115 6	19 6	17 6	20 4	11 4	13 0	18 5	15 5	7 2	7 2
Finished manufactures.....	7 4	8 7	117 2	24 3	36 7	28 9	5	1 1	1 3	9	1 2	1 1
Europe						Asia and Oceania						
Exports (U. S. mdse.)	100 0	100 0	100 0	100 0	100 0	100 0	100 0	100 0	100 0	100 0	100 0	100 0
Crude materials.....	39 0	44 6	38 3	35 0	38 2	45 3	12 4	16 1	21 2	24 2	42 6	39 7
Foodstuffs.....	32 8	22 5	30 5	20 0	20 5	16 3	12 9	10 8	7 9	7 2	5 9	4 9
Semimanufactures.....	14 8	17 2	11 6	14 4	12 2	13 4	10 2	10 2	15 1	14 5	11 2	15 1
Finished manufactures.....	13 4	15 7	19 6	30 5	29 1	25 0	64 5	62 9	55 8	54 0	40 3	40 3
General imports:	100 0	100 0	100 0	100 0	100 0	100 0	100 0	100 0	100 0	100 0	100 0	100 0
Crude materials.....	26 2	27 4	124 2	21 2	17 8	19 0	53 1	54 7	65 7	66 6	51 2	49 1
Foodstuffs.....	12 0	12 1	10 2	10 6	14 2	12 9	18 9	14 7	110 1	10 1	25 0	23 5
Semimanufactures.....	21 7	23 5	125 1	26 9	26 2	31 5	10 9	13 5	110 9	11 5	10 0	14 1
Finished manufactures.....	40 1	37 0	140 5	41 3	41 8	36 6	17 1	17 1	113 2	11 8	13 7	13 3

¹ Revised.

No. 482.—IN TRANSIT AND TRANSSHIPMENT TRADE OF THE UNITED STATES: BY CONTINENTS AND PRINCIPAL COUNTRIES

[Values in thousands of dollars]

Year ended Dec 31	Received from	Shipped to	Received from	Shipped to	Received from	Shipped to	Received from	Shipped to
	North America		South America		Europe		Asia and Oceania	
1925.....	332,984	68,471	15,753	28,160	27,274	26,640	15,954	26,832
1926.....	300,070	82,115	14,995	32,413	25,918	219,932	24,097	25,994
1927.....	371,419	91,285	17,050	30,908	30,552	274,524	14,735	29,631
1928.....	286,994	174,215	15,811	23,117	101,755	198,741	19,719	22,915
1929.....	288,133	81,055	11,142	29,912	29,208	192,858	17,793	32,737
1930.....	204,095	74,202	12,598	21,941	27,130	142,442	17,930	17,507
1931.....	123,497	45,571	11,367	14,784	23,663	99,223	13,423	8,242
1932.....	74,652	36,404	8,408	9,016	19,734	57,205	7,478	5,161
1933.....	90,090	35,204	10,359	11,909	25,261	78,266	9,440	7,305
Year ended Dec 31	Africa		Canada		Mexico		Cuba	
1925.....	905	6,768	308,133	24,701	9,165	9,731	6,953	18,076
1926.....	1,614	6,219	275,891	37,748	7,849	11,574	7,318	17,554
1927.....	1,807	9,215	338,611	38,029	13,339	12,502	10,010	23,427
1928.....	2,465	7,756	252,350	132,403	15,554	11,966	8,455	13,428
1929.....	1,219	11,007	249,082	34,243	22,880	11,288	6,149	17,095
1930.....	1,818	7,479	167,736	34,181	20,236	11,250	6,456	14,752
1931.....	543	4,573	95,431	17,557	16,760	7,391	3,987	7,812
1932.....	328	2,809	53,635	14,755	8,369	5,440	3,028	6,065
1933.....	1,108	3,484	51,638	10,643	20,893	7,102	7,040	6,362
Year ended Dec 31	Argentina		Peru		United Kingdom		Belgium	
1925.....	2,378	12,208	7,500	968	13,050	121,799	1,085	16,453
1926.....	3,610	10,446	5,349	1,287	10,875	92,081	1,613	16,139
1927.....	3,906	13,117	7,211	1,408	11,177	149,926	3,277	13,682
1928.....	4,996	8,536	3,743	1,748	61,832	100,773	3,399	12,186
1929.....	2,745	10,285	3,055	1,593	11,678	90,389	1,636	8,890
1930.....	2,901	7,358	5,111	1,629	9,005	64,513	1,953	10,274
1931.....	1,563	2,354	4,950	1,496	9,574	37,743	1,157	7,418
1932.....	1,232	937	3,493	1,499	9,533	19,229	560	5,076
1933.....	1,203	1,273	5,222	2,010	11,382	31,649	2,340	5,791
Year ended Dec 31	France		Netherlands		Germany		Italy	
1925.....	2,057	14,477	3,808	17,546	2,969	30,925	2,021	22,671
1926.....	1,712	7,832	3,038	22,221	3,842	32,922	1,700	12,670
1927.....	1,630	14,098	3,645	22,123	5,482	29,235	1,953	18,950
1928.....	4,813	13,588	6,463	14,123	11,199	27,025	4,718	12,614
1929.....	1,400	15,783	3,491	15,050	5,387	27,501	1,718	10,168
1930.....	1,461	7,913	3,843	13,786	5,842	18,447	1,698	7,811
1931.....	2,214	13,607	3,054	8,261	4,311	14,654	1,238	7,040
1932.....	1,433	7,255	2,117	4,834	2,510	8,983	1,081	5,039
1933.....	2,199	8,363	2,211	7,226	2,783	11,367	1,257	6,175

No. 483.—IN TRANSIT AND TRANSSHIPMENT TRADE: BY CUSTOMS REGIONS THROUGH WHICH SHIPPED

[Values in thousands of dollars]

Year ended Dec. 31	Total	Atlantic Coast			Gulf coast	Mexican border	Pacific coast	Northern border
		Total ¹	Maine and New Hampshire	New York				
1925.....	392,871	356,535	13,491	275,581	170	3,006	16,595	16,565
1926.....	386,693	314,645	15,296	241,480	235	3,912	21,987	25,915
1927.....	435,564	333,612	10,575	266,704	2,265	5,236	22,760	71,791
1928.....	426,744	307,778	5,372	248,764	17,300	8,380	3,404	91,411
1929.....	347,569	274,593	3,785	234,386	11,182	9,866	17,177	36,367
1930.....	263,571	198,318	2,326	178,633	7,596	5,728	11,456	32,529
1931.....	172,393	132,444	1,330	121,113	2,347	3,710	9,528	14,158
1932.....	110,595	82,729	703	79,980	233	1,723	3,763	13,118
1933.....	136,227	114,658	346	111,553	403	1,983	3,223	6,939

¹ Includes districts not specified.

No. 484.—EXPORTS (INCLUDING REEXPORTS) AND GENERAL IMPORTS OF

NOTE.—In the case of some countries, especially those having no seaports, there is considerable indirect imports from them, for such countries the apparent balance of trade may be far from the true balance. Adjusted figures taking account of this movement are given in Table 477. Figures for 1910 to 1914

[All figures in

Country	Exports (including reexports)							
	1910-1914, average	1921-1925, average	1926-1930, average	1929	1930	1931	1932	1933
Grand total.....	2,165,818	4,397,027	4,777,314	5,240,995	3,843,181	2,424,289	1,611,016	1,674,994
North America ¹	501,095	1,071,959	1,233,033	1,395,064	1,019,226	590,826	364,952	346,859
1. Northern ¹	318,890	627,882	829,858	961,473	670,652	403,732	245,736	214,833
Canada ¹	315,044	619,017	819,471	948,446	659,094	396,355	241,351	210,651
Newfoundland and Labrador.....	4,778	8,181	10,066	12,502	11,285	7,170	4,167	3,948
Miquelon and St. Pierre.....	68	174	312	509	270	205	217	203
Greenland.....	-----	10	9	16	3	2	-----	31
2. Southern.....	181,205	444,577	403,175	433,590	348,574	187,094	119,218	126,026
Mexico.....	53,091	146,345	121,959	133,863	116,135	52,366	31,900	37,521
Central America.....	37,669	58,738	73,522	90,766	68,889	46,669	30,464	31,451
British Honduras.....	1,482	1,922	1,963	1,893	1,652	1,370	845	597
Costa Rica.....	3,437	5,139	6,913	8,313	4,554	3,523	2,435	2,424
Guatemala.....	2,834	7,214	10,773	11,525	7,305	5,196	2,820	3,067
Honduras.....	2,847	10,312	9,634	12,811	9,602	5,980	4,473	5,030
Nicaragua.....	2,442	5,284	6,494	7,031	4,869	3,565	1,993	2,096
Panama.....	22,451	22,807	35,441	41,133	35,900	23,552	15,609	15,887
Salvador.....	2,077	6,060	7,306	8,050	4,457	3,483	2,289	2,320
West Indies and Bermudas.....	90,545	239,494	202,694	208,969	164,100	88,059	56,851	57,054
Bermudas.....	1,446	3,637	3,843	4,000	4,698	4,668	2,753	2,270
Barbados.....	1,467	1,591	1,497	1,388	1,358	957	525	643
Jamaica.....	14,874	8,537	8,535	9,131	8,374	5,562	2,815	2,648
Trinidad and Tobago.....	13,829	5,176	5,705	6,738	6,239	2,885	1,651	2,108
Other British.....	12,945	5,446	5,626	6,002	4,705	3,117	1,978	1,647
Cuba.....	63,047	181,294	133,245	128,909	93,550	46,964	28,755	25,093
Dominican Republic.....	4,411	15,282	14,742	14,190	9,271	6,010	4,630	5,520
Netherlands West Indies.....	864	3,095	14,621	21,167	24,020	9,649	6,476	10,314
French West Indies.....	1,633	2,630	2,745	3,358	3,108	2,175	2,334	2,140
Haiti.....	5,862	10,910	10,113	8,790	7,104	4,822	4,005	3,595
Virgin Islands of U. S.....	854	1,894	2,020	2,298	1,673	1,250	930	1,076
South America.....	121,028	297,115	447,860	559,310	337,509	158,691	96,589	114,048
3. North Coast.....	13,075	43,965	86,848	96,478	60,171	33,128	21,910	28,819
Colombia.....	5,764	25,862	46,137	48,983	25,130	16,052	10,670	14,754
Guiana.....	-----	-----	-----	-----	-----	-----	-----	-----
British Surinam (Netherlands).....	1,808	2,094	1,315	1,100	1,045	725	384	434
French.....	723	983	1,112	897	867	619	544	442
Venezuela.....	294	450	156	173	162	85	84	74
4. East Coast.....	4,486	14,576	38,129	45,325	32,967	15,645	10,229	13,115
Argentina.....	84,715	193,497	280,622	348,826	206,159	91,459	63,232	70,720
Falkland Islands.....	47,169	117,002	165,222	210,288	129,862	52,652	31,133	30,927
Brazil.....	1	4	44	6	8	107	1	-----
Paraguay.....	31,484	59,921	89,377	108,787	53,809	28,579	28,600	29,728
Uruguay.....	134	617	1,229	1,500	1,067	602	281	451
5. West Coast.....	5,927	15,952	24,750	28,245	21,413	9,519	3,217	3,614
Bolivia.....	23,239	59,653	80,399	94,006	71,179	34,108	11,447	14,508
Chile.....	915	3,649	5,052	5,985	4,219	1,775	2,163	2,629
Ecuador.....	13,870	30,132	45,887	55,776	46,374	21,462	3,568	5,321
Peru.....	2,424	4,930	5,545	6,069	4,866	2,934	1,754	1,573
-----	6,030	20,942	23,906	26,176	15,720	7,935	3,962	4,985

For footnotes see p. 428.

No. 484.—EXPORTS (INCLUDING REEXPORTS) AND GENERAL IMPORTS OF MER

[All figures in

Country	Exports (including reexports)							
	1910- 1914, average	1921- 1925, average	1926- 1930, average	1929	1930	1931	1932	1933
Europe ¹	1,350,299	2,317,944	2,235,613	2,340,848	1,838,375	1,186,885	784,299	849,778
6. Northwestern and Central	1,222,899	1,960,627	1,878,271	1,942,134	1,513,279	966,448	670,264	717,498
Sweden.....	10,033	39,443	49,298	58,704	44,922	32,156	17,457	18,598
Norway.....	7,819	28,081	22,662	23,647	20,281	12,106	6,916	7,112
Denmark.....	15,363	42,615	49,608	51,442	40,243	29,749	11,996	11,611
Iceland.....	16	290	311	448	361	291	67	132
United Kingdom.....	567,592	939,412	837,219	848,000	678,105	455,974	288,326	311,732
Irish Free State.....		47,280	13,896	14,421	13,725	6,421	4,487	4,128
Belgium.....	53,117	111,284	105,640	114,855	86,000	59,441	40,278	43,268
France.....	138,841	265,196	244,606	265,592	223,960	121,820	111,561	121,711
Netherlands.....	104,575	138,228	131,001	128,295	104,915	65,590	45,254	48,659
Austria.....	² 20,581	2,211	4,663	5,331	4,751	2,613	849	1,195
Czechoslovakia.....		1,665	5,387	6,123	5,061	3,788	1,872	1,565
Hungary.....	⁽³⁾	330	1,828	2,328	1,337	687	232	259
Germany.....	304,008	383,219	400,364	410,449	278,209	166,050	133,668	140,024
Switzerland.....	833	7,198	10,888	12,499	11,349	9,672	7,300	7,507
7. Northeastern.....	25,882	58,267	103,672	116,131	133,246	113,874	23,226	28,601
Estonia.....		2,081	809	830	513	348	560	683
Finland.....	⁴ 3,031	10,442	14,896	14,894	11,280	4,665	2,775	3,462
Latvia.....		3,047	1,190	2,320	805	387	153	406
Lithuania.....		67	220	184	274	199	164	193
Poland and Danzig.....		10,881	10,887	16,356	9,002	4,689	7,108	15,114
Soviet Russia in Europe.....	23,456	⁵ 31,749	75,600	81,547	111,362	103,486	12,466	8,743
8. Southwestern.....	96,451	268,107	228,473	252,396	171,415	94,866	80,688	98,086
Azores and Madeira	214	987	1,256	1,031	1,293	325	107	156
Islands.....								
Gibraltar.....	473	3,412	1,001	143	117	72	143	126
Italy.....	65,966	185,237	141,115	153,967	100,429	54,815	49,135	61,240
Portugal.....	3,610	8,005	12,456	15,135	12,069	5,683	4,614	5,808
Spain.....	26,189	70,465	73,644	82,120	57,507	33,971	26,688	30,757
9. Southeastern.....	5,068	30,943	24,296	30,180	20,435	11,697	10,120	5,594
Albania ⁷							93	85
Bulgaria.....	165	745	623	1,053	589	176	249	279
Greece.....	873	17,153	13,699	16,741	12,522	7,578	7,764	2,840
Malta, Gozo, and Cy-	378	1,381	1,083	1,288	897	510	309	396
prus Islands.....								
Rumania.....	1,415	2,409	6,436	9,795	4,920	2,236	1,260	1,696
Turkey in Europe.....	2,225	8,058	⁸ 2,945					
Yugoslavia ⁷	⁹ 12	1,198	1,276	1,303	1,507	1,197	445	297
Asia.....	121,042	498,853	573,973	643,215	447,987	386,352	292,428	292,264
10. Western.....	2,600	8,047	10,643	15,239	12,476	6,537	7,035	8,782
Aden.....	1,345	1,099	497	608	225	99	80	92
Arabia.....		362	1,170	426	338	208	76	106
Iraq.....				979	1,003	521	1,124	1,268
Palestine.....				1,405	1,370	904	1,673	2,731
Syria.....		3,129	4,070	3,581	2,414	2,035	1,460	1,835
Persia.....	132	950	1,805	2,430	2,743	1,057	1,082	1,409
Turkey in Asia ¹⁰	1,123	¹¹ 2,508	3,100	5,810	4,385	1,713	1,539	1,343
11. Southern and South-	40,613	119,137	180,632	209,813	154,907	109,390	83,246	76,617
eastern.....								
British India.....	10,904	38,188	53,512	55,359	45,195	36,698	24,915	19,858
Ceylon.....	¹² 413	¹³ 1,453	2,584	2,847	1,796	1,258	737	816
British Malaya.....	2,876	8,030	12,649	14,641	9,601	4,735	2,497	2,397
Netherland India.....	3,098	17,242	33,850	45,650	29,408	15,323	7,816	6,890

For footnotes, see pp. 428 and 429.

CHANDISE, BY CONTINENTS, COMMERCIAL REGIONS, AND COUNTRIES—Continued

thousands of dollars]

Imports								Country
1910-1914, average	1921-1925, average	1926-1930, average	1929	1930	1931	1932	1933	
836,499	1,049,494	1,210,511	1,332,630	908,845	640,095	388,063	462,189	Europe ¹
723,829	884,987	1,005,480	1,105,968	745,775	517,664	302,775	373,110	6. Northwestern and Central.
9,530	34,073	47,302	52,986	43,525	34,271	24,480	30,972	Sweden.
8,086	18,498	21,694	21,235	18,224	16,820	10,439	13,160	Norway.
2,597	6,029	4,267	4,561	3,181	1,881	1,328	1,786	Denmark.
71	106	316	544	437	442	324	490	Iceland.
278,897	³ 355,781	325,884	329,755	209,094	135,452	74,631	111,218	United Kingdom.
	⁴ 1,269	2,794	4,260	5,364	2,303	371	508	Irish Free State.
40,360	58,335	70,137	74,048	51,536	34,241	21,927	23,163	Belgium.
130,130	147,875	152,766	171,485	113,775	79,174	44,738	49,702	France
34,937	70,625	81,549	83,853	51,193	34,952	22,430	30,919	Netherlands
⁵ 18,077	4,097	10,433	12,235	7,780	4,108	2,611	2,591	Austria.
	17,373	34,505	46,120	20,584	23,162	13,021	14,651	Czechoslovakia.
(⁶) 603	1,161	1,839	936	720	411	1,185	1,185	Hungary.
176,462	132,496	210,570	254,688	176,981	127,039	73,572	78,185	Germany
24,682	38,843	42,083	48,350	31,265	23,059	12,493	14,551	Switzerland.
19,254	17,719	35,913	43,056	37,797	25,996	19,589	24,288	7. Northeastern.
400	830	875	544	457	419	549	519	Estonia.
¹ 153	7,549	9,866	11,225	10,454	9,932	8,179	8,916	Finland.
	2,578	4,022	4,050	1,772	835	544	416	Latvia.
	265	527	533	226	207	63	373	Lithuania
	2,369	4,053	4,853	2,838	1,954	1,256	2,686	Poland and Danzig
19,131	⁶ 4,557	16,615	21,520	21,963	12,611	9,129	11,348	Soviet Russia in Europe
79,589	115,147	143,500	161,912	111,083	83,654	57,412	58,471	8. Southwestern.
287	2,495	1,587	1,445	1,465	837	860	789	Azores and Madeira Islands
11	16	27	15	8	4	5	42	Gibraltar.
51,149	79,141	101,913	117,067	79,321	62,659	42,493	38,571	Italy.
6,552	3,855	5,541	7,326	4,927	3,533	2,798	3,368	Portugal
21,610	29,639	34,432	36,059	25,362	16,621	11,409	13,701	Spain.
13,827	31,642	25,638	21,694	14,190	12,781	9,187	8,322	9. Southeastern.
376	1,029	858	881	514	414	202	29	Albania. ⁷
3,329	22,255	18,143	17,757	11,793	10,982	7,530	815	Bulgaria.
18	160	153	186	38	23	14	5,987	Greece.
248	266	659	559	314	564	921	93	Malta, Gozo, and Cyprus Islands
8,859	7,421	⁸ 10,688	2,311	1,532	798	438	403	Rumania
⁹ 996	511	1,550	2,311	1,532	798	438	1,495	Turkey in Europe.
258,534	942,879	1,192,632	1,280,279	856,496	574,301	362,454	425,865	Yugoslavia ⁷
								Asia
13,576	21,279	30,986	35,068	24,964	19,173	11,716	16,535	10. Western.
1,808	2,221	2,693	2,457	1,742	1,260	550	1,042	Aden.
	2,547	4,921	174	66	88	201	218	Arabia
	2,337	3,895	6,241	3,765	3,321	1,905	2,230	Iraq
			182	165	105	91	194	Palestine
			5,200	1,791	1,857	806	1,306	Syria
1,377	4,773	7,933	8,648	5,797	4,457	2,764	3,353	Persia.
10,392	¹¹ 9,402	11,544	12,166	11,638	8,085	5,388	8,191	Turkey in Asia. ¹⁰
119,750	425,025	625,105	629,582	436,794	274,373	184,762	237,057	11. Southern and South-eastern.
56,356	109,020	136,869	149,332	104,148	58,521	33,204	43,759	British India
¹² 9,966	¹² 27,059	36,106	32,437	20,707	10,906	5,915	7,014	Ceylon
24,025	153,247	249,829	239,164	144,032	83,073	34,806	59,412	British Malaya.
9,194	54,962	87,467	82,301	57,890	34,240	29,827	33,076	Netherland India

No. 484.—EXPORTS (INCLUDING REEXPORTS) AND GENERAL IMPORTS OF MER

[All figures in

Country	Exports (including reexports)							
	1910- 1914, average	1921- 1925, average	1926- 1930, average	1929	1930	1931	1932	1933
Asia—Continued								
11. Southern and Southeastern—Continued.								
French Indo-China.....	243	1,079	1,886	2,525	1,549	967	1,484	610
Philippine Islands.....	22,596	51,927	73,688	85,530	64,935	48,883	44,968	44,782
Siam.....	481	1,199	2,391	3,162	2,365	1,313	683	841
Other Asia.....	1	19	72	99	58	213	146	424
12 Eastern.....	77,829	371,669	382,697	418,161	280,604	270,425	202,148	206,884
China.....	21,578	104,175	109,021	124,163	89,005	97,923	56,171	51,942
Hong Kong.....	9,137	17,810	18,043	19,566	16,987	14,380	9,695	8,563
Kwantung.....	676	6,735	7,531	11,841	6,405	2,176	1,186	2,691
Japan.....	45,290	241,877	246,036	259,127	164,570	165,715	134,921	143,435
Soviet Russia in Asia ¹² ...	1,148	1,072	2,066	3,464	3,037	231	175	254
13 Oceania.....	47,716	141,426	177,239	192,022	107,719	41,574	36,774	35,109
Australia.....	38,722	111,273	139,072	150,110	75,990	27,167	26,817	26,284
New Zealand.....	7,791	28,198	35,841	39,461	29,827	13,479	9,254	8,229
British Oceania.....	296	606	1,316	1,433	1,055	404	249	233
French Oceania.....	754	1,065	1,010	1,018	847	524	454	364
Other Oceania.....	153	284						
Africa.....	24,638	69,729	109,596	130,535	92,365	59,961	35,974	42,918
14. Mediterranean.....	4,914	20,830	27,076	33,375	25,116	14,568	9,277	10,259
Algeria and Tunisia.....	¹⁴ 2,357	¹⁴ 7,329	8,273	10,848	8,270	4,520	2,720	2,190
Canary Islands.....	752	2,110	3,042	2,766	3,010	1,930	1,179	1,481
Egypt.....	1,688	8,221	11,084	14,026	8,904	5,269	2,707	3,817
Italian Africa.....	50	63	56	65	65	72	196	184
Morocco.....	51	2,445	3,691	5,019	4,160	2,431	2,142	2,159
Spanish Africa, n. e. s.....	17	661	929	651	707	346	334	429
15. Other Africa.....	19,724	48,899	82,520	97,160	67,249	45,393	26,697	32,657
Ethiopia.....		10	24	25	51	36	38	29
Belgian Congo.....	34	469	1,083	1,382	1,302	828	487	570
British Africa—								
West.....	¹⁵ 3,189	7,835	11,781	12,381	9,379	5,122	3,811	3,399
Union of South Africa.....	12,910	31,369	53,108	61,130	38,078	28,306	15,811	22,050
Other British South Africa.....				2,622	1,051	300	171	375
East.....	708	2,306	4,723	5,417	4,487	2,092	1,148	1,041
Liberia.....	96	213	492	400	316	177	107	97
Madagascar.....	18	130	409	654	433	337	326	289
French Africa, n. e. s.....	⁽¹⁴⁾	¹⁴ 2,350	4,037	4,824	5,013	2,868	2,080	1,697
Portuguese Africa.....	2,770	4,687						
Mozambique.....			5,350	6,055	5,857	4,060	2,182	2,721
Other.....			1,513	2,270	1,282	1,267	536	383
Latin America (groups 2, 3, 4, and 5).....	302,233	741,692	851,035	972,900	686,083	345,785	215,805	240,073
Far East (groups 11, 12, 13)....	166,158	632,232	740,568	819,996	543,230	421,389	322,167	318,611

¹ See headnote and Table 477² Average, 1911-1914³ Irish Free State is included in United Kingdom prior to 1925.⁴ 1925 only⁵ Figures given under Austria are for Austria-Hungary.⁶ Includes Ukraine for 1921-1924⁷ Albania included with Yugoslavia prior to 1932⁸ Average for years 1926 and 1927 See note 10⁹ Serbia and Montenegro¹⁰ Includes Turkey in Europe beginning 1928¹¹ Includes Greece in Asia and Armenia and Kurdistan for 1921-1924.

CHANDISE, BY CONTINENTS, COMMERCIAL REGIONS, AND COUNTRIES—Continued

thousands of dollars]

Imports								Country
1910-1914, average	1921-1925, average	1926-1930, average	1929	1930	1931	1932	1933	
								Asia—Continued
								11. Southern and Southeastern—Continued.
1	235	124	29	219	236	76	145	French Indo-China.
19,430	80,108	114,114	125,792	109,390	87,133	80,877	93,048	Philippine Islands.
110	301	477	527	400	263	57	78	Siam.
68	94	119	-----	8	1	1	25	Other Asia.
125,208	496,575	536,541	615,629	394,738	280,755	165,978	172,277	12. Eastern.
35,323	142,035	140,506	166,233	101,464	66,759	26,177	37,807	China.
3,054	15,937	12,062	11,665	9,002	5,829	4,277	3,939	Hong Kong.
98	2,739	3,362	4,827	2,809	1,223	904	1,347	Kwantung
84,999	335,384	379,632	431,873	279,040	206,349	134,011	128,418	Japan.
1,734	480	977	1,031	2,423	595	607	766	Soviet Russia in Asia. ¹³
17,276	53,994	53,137	56,557	32,791	19,120	7,691	13,190	13. Oceania.
12,312	37,534	33,072	31,968	17,451	12,504	4,643	7,680	Australia.
3,758	13,821	16,632	20,834	11,621	4,433	2,158	4,793	New Zealand.
118	864	1,556	2,027	2,048	835	451	302	British Oceania.
1,048	1,489	1,877	1,728	1,671	1,348	438	415	French Oceania.
40	286	-----	-----	-----	-----	-----	-----	Other Oceania.
22,573	71,499	91,207	108,608	67,547	32,888	24,241	28,265	Africa.
18,086	36,232	36,027	46,489	19,309	6,963	6,783	8,422	14. Mediterranean.
14 733	14 2,096	4,229	4,382	4,019	1,818	1,211	1,326	Algeria and Tunisia.
139	249	581	511	444	256	191	187	Canary Islands.
16,887	33,471	30,092	39,675	13,590	4,017	4,849	6,128	Egypt.
106	21	35	76	63	110	54	119	Italian Africa.
232	394	1,089	1,845	1,193	762	472	653	Morocco.
-----	-----	1	-----	-----	-----	6	10	Spanish Africa, n e.s.
4,477	35,287	55,181	62,119	48,238	25,925	17,457	19,843	15. Other Africa.
1	2	195	828	79	41	229	181	Ethiopia.
7	909	11,813	11,580	14,043	2,576	1,204	1,614	Belgian Congo.
15 749	12,843	23,245	30,000	20,316	12,476	8,932	9,264	British Africa—
2,463	9,292	10,875	9,638	6,939	4,404	2,302	3,895	West.
-----	-----	-----	18	33	86	108	215	Union of South Africa.
942	1,750	2,410	1 3,102	2,265	1,325	1,843	1,630	Other British South Africa.
2	29	180	101	52	29	5	10	East.
33	207	246	326	307	143	96	133	Liberia.
(14) 280	14 16 775	1,817	2,466	2,590	2,296	1,343	845	Madagascar.
-----	9,615	4,311	4,047	1,572	2,501	1,282	1,857	French Africa, n e.s.
-----	-----	90	13	42	48	113	198	Portuguese Africa.
-----	-----	-----	-----	-----	-----	-----	-----	Mozambique
-----	-----	-----	-----	-----	-----	-----	-----	Other.
435,476	935,569	1,006,245	1,106,817	780,874	547,120	358,009	329,396	Latin America (groups 2, 3, 4, and 5).
262,233	975,594	1,214,783	1,301,768	864,323	574,243	358,429	422,523	Far East (groups 11, 12, 13).

¹² Other British East Indies prior to 1922¹³ Includes Far Eastern Republic reported separately for 1921-1924.¹⁴ Figures given under Algeria and Tunisia include French Africa, n. e. s., for years prior to 1922.¹⁵ Includes Kamerun.¹⁶ Average, 1922-1925.

No. 485.—EXPORTS (INCLUDING REEXPORTS) AND GENERAL IMPORTS OF MERCHANDISE, BY GROUPS OF CUSTOMS DISTRICTS

NOTE.—Fiscal years to and including 1915, thereafter, calendar years. All figures except export figures for 1865, 1870-1873, and 1933 represent specie values, exports for 1865 and 1870-1873 represent mixed gold and currency values and hence do not agree with the specie values given for total exports in other tables, all figures for 1933 are dollar currency values. Exports and imports of the interior districts, a small percentage of the total, are not included in this table. See annual volumes of Foreign Commerce and Navigation for data for each customs district.

[All figures in thousands of dollars]

Year or yearly average	Atlantic coast		Gulf coast		Mexican border		Pacific coast		Northern border	
	Exports	Imports	Exports	Imports	Ex- ports	Im- ports	Ex- ports	Im- ports	Exports	Im- ports
1860.....	160,216	304,577	153,680	22,303	1,012	528	4,981	7,372	13,688	18,836
1865.....	257,459	193,741	3,622	1,476	-----	-----	10,905	15,948	16,228	27,580
1870.....	293,440	370,614	140,020	16,506	2,213	959	14,647	16,241	15,043	31,639
1871-1875.....	390,885	501,968	122,677	20,099	2,719	1,440	21,581	26,039	22,318	28,328
1876-1880.....	533,477	425,404	107,452	12,430	3,114	1,707	33,466	30,326	25,028	22,703
1881-1885.....	589,552	572,760	114,719	13,834	4,431	2,200	50,742	40,285	32,649	37,141
1886-1890.....	548,775	594,176	112,611	14,204	3,640	6,413	42,352	46,455	31,000	48,514
1891-1895.....	655,100	651,233	140,229	21,407	8,597	9,619	44,260	46,683	44,235	48,245
1896-1900.....	813,139	611,207	188,587	18,356	15,051	4,579	60,712	49,627	79,727	50,247
1901-1905.....	923,383	776,744	297,581	37,652	25,364	12,931	81,029	55,747	126,276	76,141
1906-1910.....	1,058,483	1,052,156	408,656	60,901	33,074	16,980	86,229	82,813	192,242	112,757
1911-1915.....	1,364,246	1,278,953	513,960	100,153	22,785	24,708	135,718	128,019	333,493	159,878
1915-1920 ¹	4,234,998	2,245,780	946,560	185,341	49,361	41,471	449,900	429,557	840,366	432,185
1921-1925.....	2,207,289	2,296,418	1,088,592	233,228	73,826	17,117	374,062	421,082	653,761	545,922
1926-1930.....	2,224,224	2,675,493	1,082,472	275,442	92,606	30,003	526,059	485,671	825,539	635,010
1890.....	628,865	653,535	141,120	17,821	5,608	9,353	45,361	50,993	36,875	49,540
1891.....	637,454	697,965	151,941	23,214	7,541	11,106	52,583	53,581	34,962	49,584
1892.....	753,107	689,458	174,686	21,750	6,993	12,501	55,826	49,988	39,666	46,010
1893.....	624,278	717,300	125,592	24,682	12,152	13,826	42,230	48,315	43,413	52,923
1894.....	670,266	537,644	126,788	20,681	7,345	8,229	34,599	41,241	53,143	61,693
1895.....	590,393	613,737	122,138	16,709	8,955	2,435	36,061	40,290	49,991	51,017
1896.....	635,842	645,204	131,320	17,548	10,984	3,687	44,071	49,174	60,390	56,153
1897.....	733,205	639,407	181,269	19,991	13,999	4,135	58,925	43,906	63,596	50,066
1898.....	862,325	502,146	201,848	13,063	12,135	5,065	74,183	50,264	80,981	39,478
1899.....	870,755	576,163	194,390	17,483	15,820	4,332	56,204	45,873	89,404	45,588
1900.....	963,569	693,113	234,108	23,693	22,320	5,788	70,175	58,916	104,267	59,448
1901.....	1,002,841	670,622	285,465	26,670	21,147	10,142	69,534	48,203	107,939	57,120
1902.....	895,445	724,371	263,079	31,077	24,231	13,704	87,515	54,301	111,441	67,756
1903.....	904,172	821,252	285,021	38,378	25,936	13,877	79,253	56,475	125,759	82,054
1904.....	897,106	779,237	334,795	43,924	29,261	12,450	65,723	57,499	133,942	83,744
1905.....	917,350	888,239	319,544	48,210	26,245	14,981	103,122	62,257	152,300	90,030
1906.....	1,061,778	974,563	368,723	53,984	34,925	16,945	101,770	60,324	176,665	97,928
1907.....	1,079,770	1,133,032	469,273	62,908	41,101	18,001	92,030	91,140	198,674	109,172
1908.....	1,155,761	907,185	369,552	59,341	33,101	10,869	94,207	81,982	181,147	114,874
1909.....	976,963	1,018,847	409,631	59,566	27,136	16,178	69,949	85,962	179,329	112,690
1910.....	1,018,144	1,227,155	399,100	68,705	29,106	22,911	73,189	88,657	225,398	129,123
1911.....	1,166,469	1,163,540	487,929	82,148	30,397	20,364	94,261	102,703	269,890	137,724
1912.....	1,262,679	1,208,101	463,974	92,245	27,194	22,612	127,542	111,448	322,371	137,882
1913.....	1,348,811	1,375,850	543,077	103,612	24,903	27,060	146,856	128,895	401,968	153,613
1914.....	1,304,109	1,374,621	568,358	120,372	10,630	32,803	136,243	138,151	341,183	205,273
1915.....	1,739,159	1,212,656	698,435	102,388	14,801	20,801	173,686	158,858	332,020	164,897
1915 (6 mos.).....	1,303,840	638,241	223,556	44,396	9,766	13,024	97,319	105,067	218,381	105,395
1916.....	3,826,421	1,654,404	624,381	114,298	23,501	42,970	337,920	294,973	670,418	268,882
1917.....	4,287,541	1,798,340	663,341	144,479	48,420	46,144	390,024	539,336	844,186	404,061
1918.....	3,758,942	1,829,544	776,176	156,390	47,556	52,414	538,987	568,563	1,027,428	403,316
1919.....	5,211,140	2,629,614	1,235,148	220,298	58,021	35,195	599,000	463,137	817,116	529,496
1920.....	4,904,606	3,801,648	1,683,476	339,513	84,220	38,345	511,233	391,488	1,044,482	665,769
1921.....	2,378,557	1,726,488	1,076,736	158,231	103,543	10,113	311,605	190,398	614,591	408,411
1922.....	1,938,344	2,024,214	1,014,466	188,420	57,012	11,300	321,357	430,152	609,598	440,286
1923.....	2,070,261	2,534,277	991,864	237,570	59,564	20,155	371,572	480,679	674,231	456,843
1924.....	2,245,602	2,357,723	1,164,452	281,881	73,253	20,343	447,311	477,302	638,946	441,717
1925.....	2,403,680	2,839,389	1,295,444	300,038	75,759	23,673	427,475	526,969	681,437	507,373
1926.....	2,308,548	2,953,131	1,120,944	325,614	72,831	26,317	518,888	546,102	759,473	543,493
1927.....	2,297,143	2,774,503	1,100,912	285,373	77,120	27,623	506,125	510,569	856,284	555,002
1928.....	2,290,374	2,677,130	1,077,077	284,576	95,464	30,394	561,007	504,695	924,741	564,119
1929.....	2,424,262	2,931,456	1,140,328	283,941	115,663	39,595	595,015	523,543	930,071	555,417
1930.....	1,800,794	2,041,215	822,412	167,706	101,953	26,087	449,260	343,446	648,123	427,172
1931.....	1,167,773	1,461,408	502,108	139,074	47,959	13,837	303,038	194,948	389,335	264,791
1932.....	665,222	914,138	467,085	93,621	32,794	7,827	203,026	130,018	233,689	168,175
1933.....	719,654	1,037,536	502,051	100,761	41,852	4,831	197,666	121,083	209,653	176,740

¹ Period July 1, 1915, to Dec. 31, 1920

No. 486.—EXPORTS (INCLUDING REEXPORTS) AND GENERAL IMPORTS OF MERCHANDISE, BY PRINCIPAL CUSTOMS DISTRICTS

NOTE.—All figures in thousands of dollars. Fiscal years to and including 1915, thereafter, calendar years. Figures represent specie values except for 1935 and for exports for years 1865 and 1870-1878. Areas of districts were rearranged July 1, 1913. Prior to that date some of the districts were more restricted. However, in most cases this change only slightly affects the comparability of the figures. Prior to 1914 the statistics given in the table for Buffalo include the (former) districts of Buffalo Creek and Niagara; those for Michigan include the (former) districts of Superior, Huron, and Detroit; and those for Massachusetts and Maryland were the former districts of Boston and Baltimore, respectively. See also headnote, Table 485.

Year or yearly average	Massachusetts		New York		Philadelphia		Maryland		Georgia	
	Ex-ports	Im-ports	Exports	Imports	Ex-ports	Im-ports	Ex-ports	Im-ports	Ex-ports	Im-ports
1860.....	12,748	39,334	80,048	231,310	5,527	14,612	8,940	9,781	18,352	782
1865.....	19,862	24,390	202,500	152,249	11,053	7,038	12,141	4,816	—	—
1870.....	14,126	47,484	196,615	281,049	16,928	14,483	14,511	19,612	29,747	1,002
1871-1875.....	25,334	59,165	257,564	383,499	24,907	22,809	21,631	27,966	30,749	807
1876-1880.....	47,545	45,732	321,999	331,302	45,503	24,360	50,007	19,098	20,591	484
1881-1885.....	64,762	64,684	357,502	453,944	39,145	32,807	51,007	13,801	22,191	702
1886-1890.....	61,519	62,591	322,039	467,009	33,042	44,150	51,657	12,868	22,619	354
1891-1895.....	83,827	68,510	360,521	503,284	43,432	57,617	75,026	14,873	25,020	387
1896-1900.....	110,895	69,025	433,950	477,123	56,495	43,284	98,725	12,390	27,214	377
1901-1905.....	102,378	80,132	511,464	597,139	73,588	53,972	88,505	22,211	51,684	933
1906-1910.....	88,467	113,207	639,080	798,313	88,842	74,278	91,931	30,252	50,781	2,352
1911-1915.....	76,794	141,012	913,812	975,410	74,238	86,261	107,048	30,196	84,022	4,882
1915-1920 ¹	217,236	273,049	2,912,529	1,703,482	415,261	144,849	320,396	42,282	139,812	16,745
1921-1925.....	55,559	257,227	1,611,328	1,675,784	117,833	182,857	113,995	77,686	71,832	19,714
1926-1930.....	40,669	267,496	1,480,191	1,967,949	100,406	205,098	93,543	109,108	73,069	17,814
1890.....	71,202	62,877	349,052	516,427	37,411	53,936	73,984	13,140	30,884	472
1891.....	77,020	71,213	346,529	537,786	33,674	59,428	64,412	20,556	33,508	516
1892.....	87,176	71,780	413,953	536,538	58,541	60,007	88,850	13,419	25,704	302
1893.....	85,460	79,358	347,396	548,559	49,402	66,122	71,507	16,151	19,840	338
1894.....	83,972	53,309	369,146	415,796	40,501	53,727	78,422	11,979	25,527	353
1895.....	85,505	66,889	325,680	477,741	35,043	48,803	61,939	12,261	20,524	426
1896.....	95,851	79,180	354,275	499,933	39,567	43,841	66,399	13,477	21,409	274
1897.....	100,857	90,178	391,680	480,604	47,305	48,073	85,693	11,371	23,443	416
1898.....	117,532	51,475	445,516	402,281	56,244	31,420	118,846	8,907	28,938	392
1899.....	128,037	52,098	459,444	465,560	60,950	41,223	107,156	9,151	24,030	376
1900.....	112,196	72,196	518,834	537,237	78,406	51,866	115,530	19,045	38,252	430
1901.....	143,708	61,522	529,593	527,260	70,354	48,043	106,239	18,899	46,739	645
1902.....	102,404	71,921	490,362	559,931	80,383	47,750	80,533	22,825	41,525	572
1903.....	88,126	86,311	505,830	618,706	73,532	59,995	81,704	27,803	54,141	1,037
1904.....	89,846	80,658	506,808	600,171	71,393	53,800	82,836	20,346	53,770	924
1905.....	87,804	100,318	524,726	679,629	63,278	60,181	91,215	21,181	62,245	1,489
1906.....	98,740	106,442	607,160	734,351	82,564	70,801	109,925	30,085	64,840	1,503
1907.....	100,872	124,433	627,950	853,697	94,832	79,870	104,809	37,774	63,040	2,204
1908.....	96,051	93,679	701,063	688,216	109,261	63,432	98,989	29,477	61,695	2,044
1909.....	76,158	112,473	607,239	779,309	84,286	68,884	77,551	24,022	50,900	2,152
1910.....	70,517	129,006	651,986	935,991	73,266	88,403	77,382	29,901	63,428	3,855
1911.....	71,534	116,597	772,552	881,593	69,956	83,627	85,121	32,174	72,076	5,297
1912.....	69,602	129,293	817,946	975,744	69,070	85,038	92,211	26,438	104,287	5,130
1913.....	69,553	140,599	917,936	1,048,321	76,315	93,210	116,474	32,595	68,235	4,462
1914.....	65,715	159,916	864,546	1,040,381	65,153	96,483	109,600	34,489	110,595	6,270
1915.....	107,476	152,654	1,193,581	931,011	90,666	72,948	131,978	24,983	74,919	3,251
1915 (6 mos.).....	53,707	81,345	1,026,310	498,617	77,689	31,420	57,647	11,938	20,262	859
1916.....	183,953	202,990	2,790,403	1,257,185	317,134	111,411	291,168	38,942	68,638	1,684
1917.....	208,532	229,404	2,901,138	1,361,662	502,224	102,244	377,376	36,963	107,777	4,888
1918.....	221,315	295,915	2,660,857	1,294,415	425,072	115,011	300,717	35,983	111,391	15,001
1919.....	334,487	299,365	3,456,329	2,064,654	519,564	153,819	353,713	38,900	258,682	15,397
1920.....	192,802	392,753	3,283,873	2,892,621	442,250	282,763	381,557	69,824	202,014	54,269
1921.....	60,251	164,922	1,730,256	1,332,265	130,672	122,302	142,810	41,124	64,124	9,986
1922.....	50,545	238,507	1,375,396	1,484,685	126,477	154,332	124,941	60,069	67,673	14,072
1923.....	52,150	307,288	1,518,852	1,797,820	106,507	219,710	93,436	91,836	51,493	28,928
1924.....	57,346	253,852	1,657,698	1,690,003	106,444	202,597	100,172	100,494	77,337	22,666
1925.....	47,494	321,567	1,774,436	2,074,149	119,064	215,343	108,614	94,906	98,534	22,917
1926.....	41,283	305,879	1,662,538	2,224,964	97,005	195,823	129,348	106,241	104,594	19,490
1927.....	42,181	288,499	1,726,110	2,042,783	90,911	201,500	101,323	108,967	97,228	18,056
1928.....	45,470	276,512	1,769,904	1,950,058	88,424	215,692	98,974	110,026	60,109	18,394
1929.....	40,763	290,304	1,903,095	2,152,716	123,862	243,547	84,231	116,569	57,912	18,698
1930.....	33,632	176,199	1,384,309	1,469,227	101,830	165,928	53,840	103,736	45,563	14,435
1931.....	26,082	105,103	868,707	1,062,350	74,302	115,296	34,440	77,389	28,472	12,659
1932.....	16,936	72,561	492,365	656,082	39,856	79,113	24,563	46,141	20,309	6,600
1933.....	11,963	93,185	506,982	748,235	47,848	91,012	25,683	45,933	23,788	6,893

¹Period July 1, 1915, to Dec. 31, 1920.

No. 486.—EXPORTS (INCLUDING REEXPORTS) AND GENERAL IMPORTS OF MERCHANDISE, BY PRINCIPAL CUSTOMS DISTRICTS—Continued

[All figures in thousands of dollars]

Year or yearly average	New Orleans		Galveston		Buffalo		Chicago		Michigan	
	Exports	Im- ports	Exports	Imports	Exports	Im- ports	Exports	Im- ports	Exports	Im- ports
1860.....	108,165	20,636	5,772	533	3,049	4,850	1,185	60	3,827	961
1865.....	3,582	1,464	-----	-----	991	7,118	4,590	311	2,877	1,441
1870.....	107,587	14,377	14,874	509	353	9,275	2,613	736	3,116	1,736
1871-1875.....	90,675	16,694	15,768	1,612	739	7,145	5,053	911	6,314	2,461
1876-1880.....	78,894	9,796	15,214	1,155	578	5,979	3,389	474	9,915	2,904
1881-1885.....	86,165	10,683	21,011	1,982	412	8,304	3,223	2,717	13,969	5,136
1886-1890.....	87,059	11,707	18,319	663	483	9,926	2,013	12,260	15,664	5,375
1891-1895.....	93,628	18,583	36,707	776	4,673	7,069	3,054	15,853	16,729	6,081
1896-1900.....	99,832	13,833	65,432	1,385	15,077	6,030	4,796	12,936	26,018	5,609
1901-1905.....	147,174	28,215	114,840	2,065	30,760	8,465	5,043	18,150	39,045	7,973
1906-1910.....	153,171	45,945	185,524	4,717	47,483	12,562	4,564	24,766	62,736	13,426
1911-1915.....	179,038	78,668	241,254	7,611	82,712	24,321	10,341	32,000	102,360	20,967
1915-1920 ¹	428,107	149,070	346,984	15,930	198,686	88,161	21,379	40,133	294,375	61,893
1921-1925.....	391,342	167,731	523,904	30,066	162,606	77,517	27,681	46,066	211,729	76,859
1926-1930.....	363,633	201,668	548,254	31,598	209,103	136,663	11,865	48,914	292,545	93,297
1890.....	108,127	14,658	24,447	416	588	9,726	2,481	13,590	19,399	5,389
1891.....	109,107	20,267	33,772	648	732	8,809	2,340	15,303	16,510	5,933
1892.....	131,253	18,910	35,386	1,317	730	7,688	3,678	14,976	17,928	5,297
1893.....	77,838	21,790	37,476	863	3,022	7,511	4,084	18,448	15,903	6,977
1894.....	81,529	18,088	35,012	681	9,246	4,478	3,610	15,486	16,700	6,284
1895.....	68,413	13,862	41,887	370	9,638	6,858	1,558	15,053	16,604	5,915
1896.....	80,987	13,471	36,397	603	10,799	5,968	1,293	15,546	22,928	6,650
1897.....	101,049	16,619	58,198	1,779	10,818	7,189	2,310	11,528	22,273	6,381
1898.....	112,827	9,664	68,429	1,166	14,571	5,385	7,439	10,141	23,606	5,002
1899.....	87,993	11,918	78,477	2,921	14,989	5,449	7,675	12,154	28,725	4,657
1900.....	115,859	17,491	85,658	1,454	24,206	6,959	5,212	15,810	32,559	5,353
1901.....	152,777	20,462	161,857	954	23,629	6,726	10,030	14,532	33,742	6,232
1902.....	134,487	23,763	96,722	969	25,121	8,233	5,093	16,861	34,735	7,630
1903.....	149,073	28,881	104,121	1,511	28,696	8,978	4,591	20,122	40,328	8,566
1904.....	148,595	34,037	145,316	1,848	35,601	7,980	3,322	21,088	41,688	8,480
1905.....	150,937	33,933	126,182	4,992	40,755	10,413	3,221	18,145	44,733	8,957
1906.....	150,479	39,465	166,318	5,019	44,207	10,132	2,581	22,210	57,750	10,998
1907.....	170,562	46,047	237,308	7,029	48,750	11,744	4,013	25,017	64,865	11,515
1908.....	159,456	42,786	161,352	5,694	46,460	11,316	4,925	26,172	61,108	14,537
1909.....	144,982	45,713	189,464	3,355	42,891	13,065	4,775	23,671	60,161	14,172
1910.....	140,377	55,712	173,179	2,488	55,109	16,553	6,529	26,761	69,794	15,909
1911.....	172,835	66,722	220,505	3,531	67,279	18,973	6,916	30,586	81,898	17,031
1912.....	149,161	75,090	218,146	4,310	81,543	20,506	7,665	28,749	96,941	16,815
1913.....	169,980	82,399	281,458	7,821	103,103	20,405	4,869	32,637	112,641	19,687
1914.....	193,840	89,383	255,768	12,245	87,676	30,306	8,688	38,631	102,573	26,347
1915.....	209,373	79,745	230,392	10,148	73,959	31,415	23,565	29,498	117,747	24,956
1915 (6 mos.).....	91,583	35,976	92,370	2,814	50,015	20,126	7,835	14,018	84,852	14,225
1916.....	266,662	92,041	252,545	8,373	184,619	41,421	3,990	29,006	222,663	32,575
1917.....	320,891	116,249	229,229	13,979	212,820	105,612	4,419	27,008	279,143	54,131
1918.....	399,997	124,258	226,834	14,013	208,340	99,915	60,019	40,301	379,158	57,231
1919.....	563,073	177,286	467,183	17,704	199,051	96,378	6,524	45,804	297,029	74,896
1920.....	712,380	274,073	649,253	30,730	237,930	121,436	25,800	64,504	356,220	107,351
1921.....	423,043	110,283	452,911	18,858	154,169	59,241	45,230	41,491	177,901	63,052
1922.....	353,282	129,756	417,142	21,160	146,021	70,283	38,506	46,914	205,977	65,442
1923.....	301,416	171,620	530,540	32,962	178,818	70,316	13,997	45,555	226,590	90,019
1924.....	411,691	205,974	579,509	41,487	156,256	72,247	26,415	45,739	195,902	81,537
1925.....	467,279	221,023	639,418	35,862	177,764	115,496	14,259	50,630	252,274	84,247
1926.....	413,793	238,805	533,825	38,906	191,676	125,668	17,843	50,478	272,375	101,682
1927.....	370,007	211,084	554,893	35,883	219,904	137,936	17,718	51,585	279,907	91,314
1928.....	375,837	211,783	682,346	30,801	223,938	144,928	9,002	50,981	328,439	92,099
1929.....	384,570	208,431	573,667	30,635	239,893	157,380	8,178	52,583	342,646	105,433
1930.....	273,358	137,640	396,040	21,767	170,193	117,402	6,586	39,542	239,358	75,959
1931.....	145,626	96,209	262,038	14,948	105,508	61,527	2,729	29,669	144,860	56,832
1932.....	128,169	66,553	244,509	10,773	67,274	37,627	4,975	21,238	85,076	38,095
1933.....	126,786	75,447	275,182	10,813	50,825	40,800	5,398	24,929	82,058	40,537

¹ Period July 1, 1915, to Dec 31, 1920.

No. 486.—EXPORTS (INCLUDING REEXPORTS) AND GENERAL IMPORTS OF MERCHANDISE, BY PRINCIPAL CUSTOMS DISTRICTS—Continued

Year or yearly average	San Francisco		Washington		Year or yearly average	San Francisco		Washington	
	Ex-ports	Im-ports	Ex-ports	Im-ports		Ex-ports	Im-ports	Ex-ports	Im-ports
1860-----	4,868	7,367	-----	-----	1905-----	49,924	46,676	43,843	7,378
1865-----	9,988	15,802	633	12	1906-----	39,915	44,433	49,235	13,614
1870-----	13,992	15,983	428	35	1907-----	33,027	54,095	43,659	25,353
1871-1875-----	19,476	25,459	497	30	1908-----	28,000	48,251	44,083	22,209
1876-1880-----	27,718	29,798	486	33	1909-----	31,669	49,998	25,788	26,960
1881-1885-----	41,740	39,109	1,647	109	1910-----	31,181	49,351	30,121	28,910
1886-1890-----	33,035	44,344	2,708	417	1911-----	40,625	53,885	39,361	36,655
1891-1895-----	32,365	43,557	5,627	1,068	1912-----	49,250	59,235	63,746	39,011
1896-1900-----	36,607	40,443	13,048	6,399	1913-----	66,021	62,502	62,548	51,474
1901-1905-----	37,751	38,188	30,708	9,907	1914-----	63,375	67,111	55,012	55,392
1906-1910-----	32,758	49,226	38,567	23,409	1915-----	81,501	76,068	67,888	68,467
1911-1915-----	60,154	63,760	57,711	50,200	1915 (6 mos.)-----	41,807	42,290	46,161	55,933
1915-1920 ¹ -----	186,317	197,613	222,702	206,862	1916-----	126,758	117,128	200,448	161,780
1921-1925-----	158,275	155,500	110,361	214,213	1917-----	175,136	231,979	196,932	289,078
1926-1930-----	183,236	195,351	136,886	212,134	1918-----	214,695	245,519	296,166	300,954
1890-----	36,876	48,751	3,326	305	1919-----	240,518	238,027	292,274	195,919
1891-----	40,169	50,943	5,729	477	1920-----	225,828	211,928	192,880	134,079
1892-----	40,737	47,136	6,566	573	1921-----	129,111	97,129	90,327	58,539
1893-----	31,144	45,201	5,093	840	1922-----	145,099	170,815	90,071	218,218
1894-----	24,903	38,147	4,942	1,230	1923-----	160,432	166,685	116,088	262,156
1895-----	24,873	36,270	5,805	2,222	1924-----	173,442	146,335	134,760	270,284
1896-----	31,583	41,400	6,855	5,484	1925-----	183,292	196,537	120,557	261,870
1897-----	39,648	34,376	11,865	7,066	1926-----	186,773	210,139	147,570	261,880
1898-----	41,224	42,823	17,019	5,058	1927-----	174,555	199,999	129,513	239,284
1899-----	30,215	35,747	15,200	7,240	1928-----	201,265	198,275	150,817	229,024
1900-----	40,368	47,870	17,903	7,149	1929-----	206,018	212,678	153,874	216,774
1901-----	34,597	35,162	20,679	6,721	1930-----	147,568	155,564	102,655	113,708
1902-----	38,184	35,103	33,789	11,971	1931-----	112,257	85,776	67,269	55,344
1903-----	33,503	36,454	32,500	12,177	1932-----	82,903	58,228	36,996	35,289
1904-----	32,547	37,543	22,730	11,285	1933-----	84,512	55,514	37,326	28,302

¹ Period July 1, 1915, to Dec. 31, 1920.

No. 487.—IMPORTED DUTIABLE MERCHANDISE ENTERED FOR CONSUMPTION: By TARIFF SCHEDULES

NOTE.—All money figures in thousands of dollars. Data cover fiscal years through 1918, calendar thereafter. Percents represent average ad valorem rate or ratio of duties to values of dutiable merchandise.

Year	Schedule 1—Chemicals, oils, and paints			Schedule 2—Earths, earthenware, and glassware			Schedule 3—Metals, and manufactures of		
	Values	Duties	Per cent	Values	Duties	Per cent	Values	Duties	Per cent
1908-----	39,127	10,530	26.91	26,224	13,251	50.53	45,280	16,004	35.34
1909-----	42,937	11,218	26.13	21,148	10,642	50.32	41,103	15,656	38.09
1910-----	42,022	11,072	26.41	24,774	12,468	50.33	66,961	22,333	33.35
1911-----	48,869	12,564	25.71	24,495	12,669	51.72	58,757	18,869	32.11
1912-----	47,236	12,240	25.91	21,994	11,156	50.72	50,492	17,346	34.35
1913-----	49,387	13,017	26.36	23,002	11,385	49.50	64,300	20,514	31.90
1914-----	60,314	13,100	21.72	25,222	10,187	40.39	50,743	12,190	24.02
1915-----	54,098	11,222	20.74	18,142	6,805	37.51	31,836	6,990	21.96
1916-----	52,806	9,309	17.63	13,024	4,677	35.91	33,245	6,309	18.98
1917-----	65,614	12,056	18.37	13,614	4,614	34.10	33,914	7,038	20.75
1918-----	65,762	10,507	15.98	13,444	4,707	35.01	33,227	6,813	20.51
1918 (6 months)-----	27,216	4,308	15.83	5,783	2,065	35.71	16,622	3,451	20.76
1919-----	108,151	13,922	12.87	14,933	5,009	33.55	43,186	8,672	20.08
1920-----	120,320	15,335	12.75	30,257	9,241	30.54	83,337	16,677	20.01
1921-----	64,765	14,144	21.84	28,591	9,864	34.50	62,793	13,672	21.77
1922-----	88,471	22,102	24.98	40,526	14,061	34.56	82,105	20,468	24.93
1923-----	90,123	26,989	29.95	60,182	23,526	39.09	103,307	35,013	33.89
1924-----	77,015	24,492	31.80	54,481	22,098	40.56	96,768	35,240	36.21
1925-----	93,746	27,465	29.30	56,391	24,520	43.50	113,684	38,961	34.27
1926-----	98,328	28,681	29.17	61,089	28,908	47.32	147,010	48,528	33.01
1927-----	98,312	27,997	28.48	58,200	28,217	48.43	135,403	47,179	34.84
1928-----	92,633	28,011	30.24	53,321	25,865	48.51	131,921	46,251	35.06
1929-----	110,452	33,910	30.70	55,304	27,014	48.85	154,022	54,654	35.48
1930-----	73,337	25,859	35.26	41,646	20,524	49.28	97,214	36,367	37.41
1931-----	52,913	20,279	38.32	25,694	13,421	52.23	58,518	23,062	39.41
1932-----	36,437	16,041	44.02	15,285	8,326	54.47	32,810	12,355	37.66
1933-----	42,296	18,286	43.23	16,444	9,012	54.80	45,116	17,081	37.86

No. 487.—IMPORTED DUTIABLE MERCHANDISE ENTERED FOR CONSUMPTION: By TARIFF SCHEDULES—Continued

[All figures except percentages in thousands of dollars]

Year	Schedule 4—Wood, and manufactures of			Schedule 5.—Sugar, molasses, and manu- factures of			Schedule 6—Tobacco, and manufactures of		
	Values	Duties	Per cent	Values	Duties	Per cent	Values	Duties	Per cent
1908.....	23,350	3,301	14.14	83,627	50,168	59.99	26,495	22,160	83.64
1909.....	23,285	3,141	13.49	93,479	56,414	60.35	27,332	23,269	85.14
1910.....	27,489	3,185	11.59	101,587	53,105	52.28	29,581	24,124	81.55
1911.....	24,710	2,960	11.98	97,877	52,809	53.95	29,788	26,160	87.82
1912.....	24,415	3,043	12.46	105,745	50,951	48.18	31,116	25,572	82.18
1913.....	27,851	3,408	12.24	91,448	53,482	58.48	32,438	26,748	82.46
1914.....	12,182	1,619	13.29	108,255	61,870	57.15	32,332	26,892	83.17
1915.....	4,457	709	15.90	157,571	49,608	31.48	29,499	24,875	84.33
1916.....	4,583	660	14.40	205,512	55,876	27.19	30,195	27,581	91.34
1917.....	5,207	756	14.52	243,354	55,471	22.79	37,300	29,837	79.99
1918.....	4,412	636	14.41	240,380	49,093	20.42	31,963	21,961	68.76
1918 (6 months).....	1,675	218	12.99	87,180	18,250	20.93	20,309	12,270	60.42
1919.....	6,090	852	13.99	387,283	68,609	17.72	51,609	27,563	53.41
1920.....	13,367	1,979	14.81	926,467	79,536	8.58	63,816	33,695	52.80
1921.....	9,894	1,546	15.63	233,451	71,325	30.55	66,614	35,950	53.97
1922.....	13,174	2,373	18.02	232,941	147,969	63.52	62,415	31,789	50.93
1923.....	18,230	4,001	21.95	353,873	128,064	36.19	64,881	35,831	55.22
1924.....	18,115	4,161	22.97	337,862	135,906	40.23	67,530	33,941	50.26
1925.....	18,570	4,164	22.42	221,347	139,103	62.84	69,943	35,428	50.65
1926.....	18,004	4,307	23.92	205,659	146,591	71.28	70,789	38,076	53.79
1927.....	19,879	4,535	22.81	222,703	131,199	58.91	68,632	40,016	58.31
1928.....	16,917	4,191	24.77	174,760	118,572	67.85	62,319	39,315	63.09
1929.....	17,411	4,301	24.70	156,232	131,190	83.97	60,116	39,105	65.05
1930.....	17,140	3,557	20.75	116,844	116,809	99.97	56,152	40,141	71.49
1931.....	12,749	2,389	18.73	74,819	99,631	133.16	43,201	32,310	74.78
1932.....	7,518	1,687	22.44	45,762	76,061	166.21	27,314	22,481	82.31
1933.....	15,449	3,129	20.26	44,540	67,408	151.34	24,754	21,542	87.02
Year	Schedule 7—Agricultural products and provisions			Schedule 8.—Spirits, wines, and other bev- erages			Schedule 9—Cotton manufactures		
	Values	Duties	Per cent	Values	Duties	Per cent	Values	Duties	Per cent
1908.....	69,610	21,619	31.06	21,420	15,213	71.02	31,577	13,878	43.95
1909.....	71,719	23,633	32.95	23,382	16,144	69.05	26,228	11,666	44.48
1910.....	84,873	25,161	29.64	25,316	18,114	71.55	28,311	13,619	48.11
1911.....	105,974	28,744	27.12	20,355	17,299	84.99	26,204	12,326	47.04
1912.....	117,711	34,146	29.01	20,731	17,410	83.98	24,358	11,085	45.51
1913.....	99,798	27,755	27.81	22,372	19,476	87.05	25,057	11,062	44.14
1914.....	122,305	24,817	20.29	21,764	19,675	90.40	32,529	9,260	28.47
1915.....	87,673	18,036	20.57	14,393	13,405	93.14	24,065	6,442	26.31
1916.....	94,635	16,164	17.08	17,330	15,551	89.73	24,245	5,969	24.62
1917.....	132,718	17,916	13.50	18,612	13,586	73.00	36,417	8,260	22.68
1918.....	125,360	14,595	11.64	10,563	7,038	66.63	30,947	6,872	22.21
1918 (6 months).....	49,322	5,547	11.25	3,109	1,628	52.36	13,622	3,106	22.80
1919.....	161,168	15,803	9.80	2,338	1,194	51.08	33,220	7,716	23.23
1920.....	253,569	24,521	9.70	2,543	1,157	45.52	39,275	21,185	53.74
1921.....	156,497	26,206	16.75	3,197	1,515	47.37	58,414	15,242	26.09
1922.....	199,479	42,505	21.31	2,657	1,111	41.83	73,335	20,017	27.34
1923.....	236,976	61,578	25.98	1,371	613	44.67	68,207	21,946	32.18
1924.....	235,198	60,093	25.55	1,065	431	40.47	59,981	18,083	30.15
1925.....	259,917	60,568	23.30	1,161	492	42.38	49,999	15,347	30.69
1926.....	270,063	64,373	23.84	1,150	450	39.13	39,842	13,666	34.30
1927.....	284,253	64,072	22.54	1,350	465	34.44	40,461	14,561	35.99
1928.....	282,375	64,140	22.71	1,346	483	35.88	42,456	15,681	36.93
1929.....	297,161	68,055	22.90	1,571	544	34.63	42,855	15,627	36.46
1930.....	213,035	59,595	27.97	1,363	430	31.55	33,282	13,457	40.43
1931.....	134,337	56,613	42.14	1,273	376	29.53	28,653	13,595	47.44
1932.....	90,666	43,418	47.89	1,149	418	36.38	19,249	9,168	47.63
1933.....	103,941	46,189	44.44	9,179	7,414	80.78	22,660	10,845	47.86

No. 487.—IMPORTED DUTIABLE MERCHANDISE ENTERED FOR CONSUMPTION:
By TARIFF SCHEDULES—Continued

[All figures except percentages in thousands of dollars]

Year	Schedule 10.—Flax, hemp, and jute, and manufactures of ²			Schedule 11—Wool, and manufactures of ²			Schedule 12—Silks and manufactures of ^{2 3}		
	Values	Duties	Per cent	Values	Duties	Per cent	Values	Duties	Per cent
1908	96,177	41,922	43 59	45,822	28,845	62 95	31,755	16,493	51 94
1909	91,210	42,145	46 21	52,814	33,365	63 17	31,001	16,284	52 53
1910	106,375	49,735	46 75	70,745	41,905	59 23	32,296	17,024	52 71
1911	99,402	47,053	47 34	48,395	28,983	59 89	30,994	16,053	51 80
1912	108,698	49,062	45 14	48,361	27,072	55 98	26,572	13,695	51 54
1913	116,587	48,912	41 95	45,336	25,833	56 88	29,224	14,512	50 68
1914	56,471	19,913	35 26	39,265	16,957	43 19	31,040	15,377	45 17
1915	30,051	8,795	29 27	30,438	9,912	32 56	23,098	9,810	42 47
1916	30,944	8,619	27 85	18,353	6,129	33 39	28,305	11,928	42 14
1917	29,130	8,209	28 19	21,184	7,081	33 43	35,124	14,555	41 72
1918	26,587	7,200	27 08	27,048	8,956	33 11	24,474	10,067	41 13
1918 (6 months)	10,873	2,682	24 67	9,827	2,962	30 14	10,749	4,308	40 07
1919	27,187	6,553	24 10	18,128	5,695	31 42	49,684	20,276	40 81
1920	52,926	13,362	25 25	49,800	16,720	33 57	55,793	21,773	39 02
1921	36,828	10,118	27 47	52,410	18,307	34 93	45,055	18,576	41 23
1922	63,605	15,999	25 19	79,956	48,225	60 31	36,653	16,622	45 35
1923	121,126	24,632	20 34	102,016	91,466	56 45	40,794	21,692	53 18
1924	117,216	25,121	22 28	123,904	62,582	50 51	33,234	17,629	53 05
1925	143,723	25,684	17 87	162,458	71,019	43 71	40,304	21,888	53 07
1926	145,168	26,737	18 42	148,187	73,965	49 91	44,138	24,074	54 54
1927	126,524	26,525	20 96	127,707	67,219	52 64	51,203	28,815	56 18
1928	135,769	25,088	18 48	115,181	57,172	49 64	48,739	27,810	57 06
1929	129,409	24,600	19 01	121,636	61,815	50 82	47,156	27,349	58 00
1930	95,570	20,571	21 52	70,357	40,877	58 10	23,073	13,418	58 16
1931	57,780	15,927	27 56	32,339	24,483	75 70	13,395	7,936	59 24
1932	37,473	11,652	31 09	15,771	13,270	84 14	4,663	2,771	59 43
1933	47,129	12,959	27 50	22,660	20,539	90 64	4,938	2,927	59 28
Year	Schedule 13—Rayon, and other synthetic textiles and manufac- tures of ²			Schedule 14—Papers and books			Schedule 15.—Sundries ²		
	Values	Duties	Per cent	Values	Duties	Per cent	Values	Duties	Per cent
1908				22,335	4,415	19 75	94,616	24,475	25 87
1909				22,765	4,412	19 39	113,862	26,387	23 17
1910				24,833	5,285	21 28	120,594	29,134	24 16
1911				26,111	5,645	21 62	109,050	27,448	25 17
1912				22,828	4,887	21 41	108,953	26,932	24 72
1913				24,899	5,091	20 45	128,018	30,759	24 03
1914				13,999	3,114	22 25	144,588	48,539	33 57
1915				9,386	1,989	21 19	100,817	37,159	36 86
1916				6,491	1,258	19 38	123,485	39,496	31 98
1917				8,036	1,682	20 92	134,558	40,286	29 94
1918				6,368	1,185	18 60	106,803	30,568	28 62
1918 (6 months)				2,759	460	16 67	44,035	12,653	28 73
1919				6,797	1,106	16 27	206,447	54,433	26 37
1920				10,488	1,749	16 68	233,908	68,704	29 37
1921				8,902	1,672	18 78	165,192	51,222	32 82
1922				12,806	2,776	21 67	167,513	65,870	39 09
1923				19,217	4,667	24 29	226,319	86,647	38 29
1924				18,729	4,813	25 70	215,846	86,095	40 17
1925				18,682	4,416	23 60	217,279	83,288	38 33
1926				21,463	5,241	24 42	229,078	86,448	37 74
1927				22,138	5,417	24 47	226,117	88,624	39 19
1928				25,910	7,881	30 42	215,657	81,810	37 94
1929				24,089	6,099	25 32	241,030	90,509	37 55
1930				19,428	5,024	25 86	174,513	65,156	37 34
1931	3,854	2,377	61 67	12,927	3,361	25 99	144,310	55,011	38 12
1932	2,084	1,250	59 98	8,187	2,183	26 66	95,189	38,518	40 46
1933	3,432	1,722	50 18	8,497	2,221	26 14	118,432	42,406	35 81

² Laces, embroideries, etc., of flax, wool, silk, and rayon are included in Schedule 15, beginning 1911.³ Schedules 12 and 13 prior to 1931.

No. 488.—VALUE OF PRINCIPAL ARTICLES

NOTE.—Specie values except for 1865, 1870-1878, and 1933, for 1865 and 1870-1878, mixed gold and currency June 30, 1850 through 1915, calendar years thereafter. In some cases blank.

[All figures in thou

Year or yearly average	Meat products	Animal fats and oils ¹	Leather	Rye (including flour)	Wheat (including flour)	Oil cake and meal	Fruits and nuts	Rubber and manufactures	Naval stores, gums, and resins	Tobacco, unmanufactured
1821.....					4, 476				315	5, 649
1830.....					6, 132				356	5, 586
1840.....					11, 779				666	9, 884
1850.....					7, 742				1, 372	9, 951
1860.....	8, 080	6, 200	693		19, 525	1, 609	206	241	3, 886	15, 907
1865.....	20, 996	14, 473	669	169	46, 905	2, 267	415	291	343	41, 625
1870.....	11, 630	9, 909	111	217	68, 341	3, 419	543	186	3, 277	21, 100
1871-1875.....	33, 937	25, 773	3, 785	710	82, 188	4, 195	1, 138	212	5, 192	24, 475
1876-1880.....	66, 660	35, 496	7, 256	2, 194	133, 946	5, 268	1, 831	262	4, 511	23, 580
1881-1885.....	69, 344	37, 492	7, 374	2, 185	157, 600	6, 551	2, 893	560	6, 364	19, 407
1886-1890.....	59, 734	35, 168	9, 167	380	106, 331	7, 143	3, 724	857	6, 009	23, 085
1891-1895.....	82, 184	51, 133	11, 931	2, 570	147, 211	8, 565	4, 075	1, 450	7, 536	22, 896
1896-1900.....	100, 858	53, 369	18, 703	4, 075	148, 176	12, 300	8, 394	2, 280	9, 934	25, 269
1901-1905.....	110, 948	70, 933	24, 019	1, 311	131, 029	19, 470	14, 778	4, 605	13, 898	29, 891
1906-1910.....	93, 563	87, 326	31, 234	989	117, 768	23, 472	16, 531	7, 831	19, 438	33, 186
1911-1915.....	81, 315	83, 806	44, 656	3, 613	172, 788	25, 570	31, 865	13, 362	21, 852	46, 064
1915-1920 ²	401, 251	166, 868	110, 215	52, 009	512, 963	21, 978	61, 501	46, 430	20, 417	139, 509
1921-1925.....	139, 833	144, 085	44, 287	39, 475	321, 864	24, 695	82, 869	39, 003	22, 379	164, 596
1926-1930.....	77, 958	116, 071	47, 481	14, 767	230, 647	24, 392	122, 234	67, 366	30, 266	144, 549
1890.....	78, 409	48, 202	11, 175	1, 294	102, 312	8, 000	4, 060	1, 090	7, 444	21, 480
1891.....	81, 965	51, 011	12, 023	230	106, 126	7, 452	2, 435	1, 236	8, 192	21, 034
1892.....	84, 048	48, 841	10, 518	11, 455	236, 761	9, 713	6, 626	1, 416	7, 990	20, 670
1893.....	80, 842	50, 967	10, 695	1, 013	109, 029	9, 689	3, 919	1, 609	7, 287	22, 892
1894.....	81, 698	57, 811	12, 779	136	128, 679	8, 807	2, 424	1, 472	6, 791	24, 085
1895.....	82, 369	47, 534	13, 640	17	95, 458	7, 166	4, 972	1, 517	7, 420	25, 799
1896.....	82, 387	46, 719	17, 765	456	91, 735	7, 950	5, 679	1, 969	8, 844	24, 571
1897.....	89, 017	42, 590	16, 431	3, 675	115, 835	9, 611	7, 739	1, 927	9, 215	24, 711
1898.....	105, 954	54, 771	17, 796	8, 838	214, 948	12, 582	9, 013	2, 058	9, 155	22, 172
1899.....	110, 410	60, 579	19, 725	5, 951	177, 363	14, 549	7, 897	2, 321	9, 983	25, 467
1900.....	116, 494	62, 187	21, 797	1, 487	140, 998	16, 806	11, 643	3, 124	12, 474	29, 422
1901.....	123, 367	68, 226	21, 321	1, 333	166, 231	18, 724	10, 827	3, 659	12, 587	27, 656
1902.....	122, 912	72, 985	22, 350	1, 590	178, 537	19, 943	8, 719	4, 032	11, 734	27, 104
1903.....	106, 199	72, 258	23, 514	3, 157	161, 552	19, 839	18, 058	4, 674	12, 919	35, 251
1904.....	103, 229	71, 040	24, 852	452	104, 745	17, 069	20, 679	5, 149	16, 145	29, 641
1905.....	99, 035	70, 168	28, 058	21	44, 082	21, 777	15, 607	5, 509	16, 107	29, 801
1906.....	114, 670	92, 110	29, 317	925	87, 864	23, 992	15, 274	6, 544	20, 076	28, 808
1907.....	107, 571	94, 098	32, 058	573	122, 390	26, 416	17, 588	7, 429	21, 687	33, 377
1908.....	102, 045	92, 076	26, 970	2, 201	163, 907	21, 867	14, 339	7, 574	21, 642	34, 727
1909.....	81, 773	86, 575	30, 413	1, 064	119, 252	25, 836	16, 568	7, 433	15, 101	30, 903
1910.....	61, 758	71, 769	37, 414	184	95, 428	19, 251	18, 886	10, 176	18, 682	38, 115
1911.....	66, 391	85, 665	37, 200	27	71, 427	19, 631	24, 498	12, 453	25, 023	39, 255
1912.....	71, 874	85, 512	41, 798	22	79, 477	28, 229	30, 064	12, 823	26, 755	43, 254
1913.....	68, 018	88, 573	42, 384	1, 232	142, 208	29, 444	37, 079	14, 325	26, 471	42, 354
1914.....	68, 443	80, 562	36, 689	1, 586	142, 408	21, 668	31, 850	12, 441	19, 852	53, 964
1915.....	131, 850	78, 720	65, 229	15, 150	428, 422	28, 879	34, 933	14, 768	11, 127	44, 494
1915 (6 mos.) ²	90, 466	33, 808	42, 079	7, 556	146, 718	14, 978	22, 549	15, 841	5, 430	30, 454
1916.....	198, 000	85, 002	100, 498	19, 380	313, 240	33, 253	37, 345	33, 934	10, 289	62, 833
1917.....	273, 908	99, 660	80, 817	27, 960	384, 272	15, 810	35, 332	34, 783	14, 401	45, 574
1918.....	667, 527	181, 421	55, 127	31, 065	505, 266	2, 785	32, 373	31, 501	10, 236	122, 918
1919.....	697, 707	326, 290	218, 784	74, 211	605, 351	36, 041	126, 265	55, 866	31, 434	250, 986
1920.....	279, 270	191, 587	108, 876	125, 878	821, 448	18, 012	84, 390	85, 437	34, 503	245, 532
1921.....	157, 122	140, 406	31, 787	44, 589	550, 752	24, 489	70, 157	30, 786	11, 449	205, 133
1922.....	140, 175	116, 263	45, 471	46, 075	291, 821	19, 898	75, 864	34, 009	18, 510	140, 489
1923.....	153, 677	157, 505	42, 834	29, 021	204, 641	19, 831	68, 619	36, 972	24, 820	153, 439
1924.....	121, 156	167, 994	49, 188	40, 204	328, 324	27, 590	97, 689	40, 622	25, 309	164, 130
1925.....	127, 033	148, 257	52, 155	37, 484	233, 784	31, 666	102, 015	52, 630	31, 809	153, 787
1926.....	106, 837	134, 626	49, 815	12, 379	284, 872	26, 458	111, 797	60, 733	38, 865	136, 919
1927.....	71, 011	115, 676	54, 003	39, 913	324, 836	30, 186	121, 665	70, 691	34, 335	139, 607
1928.....	67, 722	118, 831	55, 178	17, 567	193, 743	27, 198	129, 324	69, 545	26, 433	154, 465
1929.....	78, 756	123, 609	42, 943	3, 698	192, 292	28, 414	137, 467	76, 953	30, 998	146, 083
1930.....	65, 612	87, 612	35, 468	278	157, 494	9, 706	110, 916	58, 006	22, 698	145, 609
1931.....	35, 653	60, 377	25, 612	101	84, 227	11, 181	109, 329	36, 711	14, 304	110, 780
1932.....	18, 967	37, 819	13, 150	560	51, 144	6, 715	77, 320	16, 364	11, 587	65, 901
1933.....	25, 507	40, 327	13, 779	24	18, 592	8, 646	69, 657	17, 820	14, 714	82, 924

¹ Excludes "lard compounds" beginning 1921, now classified as "vegetable cooking fats"

² Includes semimanufactures.

OF UNITED STATES MERCHANDISE EXPORTED

values, and for 1933, dollar currency values. Figures are for fiscal years ended Sept 30, through 1840, and represent entire absence of trade, in other cases the item was not segregated

sands of dollars]

Cotton, unmanu- factured	Cotton manu- factures ²	Saw- mill prod- ucts	Other wood manu- factures	Coal and coke	Petro- leum and prod- ucts	Iron and steel- mill prod- ucts	Copper and manu- factures	Ma- chin- ery, all classes	Auto- mobiles includ- ing en- gines and parts	Year or yearly average
20, 157	-----	1, 513	-----	-----	-----	-----	27	-----	-----	1821.
29, 675	1, 318	1, 650	426	-----	-----	-----	37	-----	-----	1830.
63, 870	3, 550	2, 072	921	-----	-----	-----	87	-----	-----	1840.
71, 985	4, 734	2, 545	2, 279	167	-----	-----	105	-----	-----	1850.
191, 807	10, 935	3, 884	6, 148	741	-----	-----	1, 664	-----	-----	1860.
6, 836	3, 452	7, 020	11, 261	1, 371	15, 766	1, 190	1, 545	7, 222	-----	1865
227, 028	3, 787	4, 660	7, 886	1, 306	32, 669	539	1, 042	5, 783	-----	1870.
205, 624	3, 196	6, 749	9, 108	2, 538	36, 913	1, 115	749	8, 373	-----	1871-1875.
183, 530	10, 047	7, 840	7, 924	2, 474	43, 808	1, 185	2, 564	8, 357	-----	1876-1880.
218, 763	12, 693	11, 796	9, 347	4, 077	47, 753	1, 322	3, 931	13, 552	-----	1881-1885.
224, 614	12, 423	13, 376	8, 846	5, 747	51, 151	1, 922	7, 309	13, 662	-----	1886-1890.
230, 743	13, 354	14, 782	9, 694	10, 184	49, 344	3, 241	14, 392	22, 061	-----	1891-1895.
220, 894	20, 494	22, 390	13, 863	14, 005	68, 766	20, 438	36, 745	50, 125	-----	1896-1900.
335, 443	31, 333	34, 447	17, 413	20, 121	82, 260	32, 759	54, 942	77, 958	-----	1901-1905.
437, 582	35, 141	50, 754	21, 075	38, 825	103, 803	54, 297	92, 334	113, 983	6, 292	1906-1910.
537, 044	52, 525	61, 379	24, 687	58, 648	137, 058	96, 313	123, 655	158, 897	35, 805	1911-1915.
768, 361	214, 697	60, 630	36, 556	151, 590	347, 396	491, 191	208, 909	354, 216	157, 775	1915-1920. ³
804, 985	133, 052	85, 078	30, 846	131, 112	405, 051	166, 776	129, 761	320, 348	177, 164	1921-1925.
765, 474	124, 079	100, 571	36, 857	121, 800	524, 364	170, 666	149, 999	492, 617	405, 121	1926-1930.
250, 969	9, 999	16, 646	9, 872	6, 910	53, 812	2, 793	8, 403	19, 521	-----	1890.
290, 713	13, 805	14, 887	9, 042	8, 434	55, 741	3, 139	11, 875	21, 110	-----	1891.
185, 461	13, 226	14, 721	9, 058	8, 761	48, 771	2, 871	13, 263	21, 475	-----	1892.
188, 771	11, 809	14, 851	9, 499	10, 185	46, 658	3, 358	9, 117	21, 809	-----	1893.
120, 869	14, 341	14, 463	10, 561	12, 093	45, 320	3, 340	22, 133	21, 687	-----	1894.
204, 901	13, 790	14, 989	10, 313	11, 445	50, 230	3, 446	15, 673	24, 224	-----	1895.
190, 056	16, 837	17, 315	11, 336	11, 146	66, 790	4, 692	21, 754	29, 313	-----	1896.
230, 891	21, 038	22, 038	13, 642	11, 556	67, 592	10, 782	33, 681	37, 738	-----	1897.
230, 442	17, 024	20, 393	13, 393	12, 293	62, 156	18, 773	33, 005	44, 438	-----	1898.
120, 090	23, 567	23, 691	13, 939	14, 294	63, 078	29, 207	36, 424	61, 117	-----	1899.
242, 989	24, 003	28, 614	16, 506	20, 737	84, 214	38, 534	58, 862	78, 020	-----	1900.
315, 105	20, 272	32, 370	15, 415	23, 751	77, 970	40, 455	44, 614	73, 489	-----	1901.
291, 598	32, 108	27, 546	16, 330	22, 486	81, 162	25, 686	43, 820	67, 510	949	1902.
317, 065	32, 216	33, 681	19, 110	23, 119	76, 665	21, 418	40, 595	76, 202	1, 207	1903
372, 049	22, 404	42, 106	18, 256	30, 044	87, 920	30, 832	58, 119	83, 841	1, 896	1904.
381, 399	49, 666	36, 533	17, 956	31, 387	87, 582	45, 402	87, 564	88, 748	2, 481	1905.
401, 006	52, 944	44, 115	20, 511	30, 652	92, 850	51, 183	83, 179	108, 379	3, 497	1906
481, 278	32, 305	58, 237	20, 969	37, 741	93, 887	55, 451	96, 601	125, 255	5, 502	1907
437, 785	25, 178	53, 839	22, 825	42, 074	112, 857	57, 820	105, 873	120, 581	5, 278	1908.
417, 391	31, 879	44, 213	19, 879	40, 069	112, 446	46, 630	86, 708	98, 983	5, 962	1909.
450, 447	33, 397	53, 368	21, 193	43, 590	106, 977	60, 403	89, 309	116, 718	11, 190	1910.
585, 319	40, 852	62, 947	24, 384	48, 314	105, 494	78, 790	104, 908	151, 205	15, 509	1911
565, 849	50, 770	66, 811	25, 667	55, 587	122, 789	102, 385	117, 083	160, 645	26, 435	1912.
547, 357	51, 510	76, 955	30, 764	68, 416	149, 256	124, 222	143, 124	194, 738	32, 982	1913.
610, 475	49, 246	70, 099	26, 326	62, 711	161, 085	90, 920	151, 472	167, 909	34, 591	1914.
376, 218	70, 247	30, 085	16, 296	58, 211	146, 668	85, 247	101, 690	119, 990	69, 510	1915
157, 548	48, 714	19, 086	9, 959	37, 236	83, 264	100, 894	70, 033	94, 935	59, 647	1915 (6 mos). ⁴
545, 229	127, 052	33, 061	20, 815	72, 500	220, 089	375, 975	236, 859	278, 071	123, 064	1916
575, 304	157, 267	46, 302	26, 602	118, 956	273, 906	644, 924	362, 871	355, 658	124, 476	1917
674, 123	179, 106	54, 121	28, 095	119, 742	369, 542	632, 219	206, 732	269, 951	100, 889	1918
1, 137, 371	270, 235	76, 884	51, 239	125, 505	374, 530	449, 939	130, 790	361, 900	156, 426	1919.
1, 136, 409	398, 458	110, 013	64, 347	359, 805	589, 348	497, 601	141, 717	587, 671	303, 262	1920.
534, 242	115, 539	52, 532	28, 404	170, 983	399, 871	236, 126	97, 898	408, 465	83, 749	1921.
673, 250	136, 079	67, 890	24, 485	95, 562	344, 255	136, 218	103, 874	233, 943	103, 202	1922.
907, 103	156, 188	103, 378	33, 347	166, 014	365, 625	167, 065	129, 220	281, 562	170, 612	1923.
950, 531	130, 687	101, 999	32, 245	115, 966	442, 554	150, 369	156, 646	310, 576	209, 872	1924.
1, 059, 751	146, 167	99, 589	36, 109	107, 035	472, 952	144, 102	161, 166	367, 206	138, 386	1925.
814, 429	123, 768	97, 444	37, 884	203, 884	554, 534	174, 101	141, 204	399, 541	320, 179	1926
826, 306	133, 186	107, 574	35, 089	109, 887	485, 903	160, 547	150, 214	434, 033	388, 528	1927.
920, 008	134, 642	108, 798	37, 525	99, 515	525, 653	179, 647	169, 831	492, 697	501, 594	1928.
770, 830	135, 115	110, 637	40, 938	100, 151	561, 191	200, 143	183, 404	606, 789	541, 366	1929.
496, 798	88, 684	75, 402	29, 849	89, 762	494, 339	138, 893	105, 842	515, 540	279, 127	1930
325, 667	60, 070	45, 070	19, 177	64, 542	270, 500	63, 188	54, 748	316, 831	148, 125	1931.
345, 164	45, 524	26, 281	9, 784	44, 543	208, 381	28, 855	21, 237	131, 663	76, 255	1932.
398, 212	39, 351	32, 275	11, 576	40, 409	200, 016	45, 531	24, 918	132, 528	90, 630	1933.

² Average for period July 1, 1915, to Dec. 31, 1920.

⁴ July to December.

No. 489.—VALUE OF PRINCIPAL COMMODITIES

NOTE.—Specie values except for 1933, for that year, dollar currency values. Figures represent general years thereafter In some cases blanks represent entire

[All figures in thou

Year or yearly average	Hides and skins	Furs, and manu- factures, ¹	Fruts and nuts	Vege- table oils, ex- pressed, and fats	Coffee	Sugar ²	Rub- ber, crude	Tobac- co, un- manu- factured	Cotton manu- factures	Burlaps
1821.....	893	224	181	-----	4,490	3,554	-----	-----	7,391	-----
1830.....	2,410	306	520	18	4,227	4,631	-----	-----	7,865	-----
1840.....	2,756	423	1,405	263	8,546	5,581	-----	-----	6,504	-----
1850.....	4,799	1,014	1,191	922	11,235	7,556	-----	272	20,781	-----
1860.....	10,525	1,838	4,804	1,619	21,884	31,079	1,427	1,366	33,216	-----
1865.....	4,550	2,309	2,265	634	11,242	27,326	1,223	552	9,224	-----
1870.....	14,402	2,366	7,417	2,153	24,235	56,924	3,460	2,534	23,380	-----
1871-1875.....	16,649	3,704	10,987	1,097	43,737	76,754	5,391	4,725	31,263	-----
1876-1880.....	18,237	4,680	11,486	1,230	54,011	73,678	5,998	4,000	22,118	-----
1881-1885.....	25,179	7,286	17,880	1,697	48,257	87,906	12,732	6,188	31,739	-----
1886-1890.....	24,373	7,161	19,584	1,898	62,504	83,614	13,791	11,176	28,858	4,551
1891-1895.....	25,208	9,707	21,322	3,025	98,220	105,946	17,763	12,810	29,482	5,828
1896-1900.....	39,075	9,224	17,661	3,716	67,830	88,795	24,506	11,355	33,694	8,021
1901-1905.....	56,206	15,003	23,034	7,350	69,450	77,440	34,823	16,743	47,839	14,368
1906-1910.....	82,519	21,469	33,692	14,002	73,496	92,286	60,687	24,905	67,851	22,730
1911-1915.....	102,987	19,341	43,033	26,554	108,970	118,240	82,736	31,576	63,049	30,749
1915-1920 ³	201,517	47,620	61,755	84,462	165,265	393,906	192,149	51,012	65,816	62,591
1921-1925.....	93,067	80,552	75,499	59,652	205,792	295,389	192,922	64,831	86,568	60,406
1926-1930.....	118,003	114,785	84,868	81,940	281,707	207,318	294,428	57,018	63,627	72,250
1890.....	21,882	7,554	20,740	2,160	78,267	96,095	14,855	17,005	29,918	6,434
1891.....	27,931	9,829	25,983	2,198	96,124	105,728	17,856	13,284	29,713	6,566
1892.....	26,880	10,197	20,944	3,116	128,042	104,409	19,718	10,332	28,324	7,064
1893.....	28,348	10,568	23,687	3,646	80,486	116,256	17,809	14,703	33,638	6,154
1894.....	16,786	7,620	18,755	2,641	90,316	126,872	15,078	10,985	22,440	4,567
1895.....	26,123	10,322	17,240	3,522	96,131	76,403	16,353	14,746	33,297	5,789
1896.....	30,520	9,303	19,032	3,664	84,793	89,220	16,703	10,503	32,643	6,447
1897.....	27,963	6,016	17,127	3,487	81,644	99,066	17,488	9,884	34,601	6,243
1898.....	37,069	7,881	14,567	3,358	65,068	60,473	25,386	7,489	27,420	5,671
1899.....	41,988	10,561	18,314	3,609	55,275	94,964	31,708	9,900	32,265	8,138
1900.....	57,936	12,000	19,204	4,462	52,468	100,251	31,777	13,297	41,541	10,606
1901.....	48,220	11,020	19,587	4,688	62,861	90,488	28,455	16,290	40,436	12,606
1902.....	58,007	15,624	21,481	6,026	70,982	55,061	24,899	15,212	44,950	15,532
1903.....	58,032	16,302	23,727	9,487	59,201	72,089	30,437	17,235	53,269	14,378
1904.....	52,006	14,763	24,436	7,829	69,552	71,916	40,444	16,939	50,370	14,631
1905.....	64,764	18,306	25,937	8,119	84,654	97,645	49,878	18,039	50,162	14,693
1906.....	83,882	21,856	28,916	9,688	73,256	85,460	45,114	22,448	64,390	20,084
1907.....	83,207	21,884	35,565	11,690	78,232	92,806	58,920	26,055	74,747	29,114
1908.....	54,770	15,918	36,874	12,369	67,688	80,258	36,613	22,870	68,825	23,225
1909.....	78,487	21,087	30,444	14,622	79,112	96,555	61,710	25,401	63,232	19,780
1910.....	112,248	26,598	36,661	21,639	69,194	106,349	101,079	27,751	68,053	21,448
1911.....	70,505	23,619	39,978	28,071	90,568	96,691	76,245	27,856	67,004	21,104
1912.....	102,476	24,986	42,567	25,157	117,827	115,515	83,013	31,919	65,175	24,359
1913.....	117,386	24,102	41,091	25,191	118,963	103,640	90,170	35,919	66,087	37,774
1914.....	120,290	13,836	51,026	30,650	110,725	101,486	71,220	35,029	70,723	42,421
1915.....	104,177	10,162	40,504	23,699	106,766	173,867	83,030	27,157	46,258	28,089
1915 (6 mos.) ⁴	67,579	8,940	20,895	10,984	54,394	67,425	58,868	9,884	20,767	15,800
1916.....	172,603	21,060	44,749	40,081	118,813	227,319	159,745	26,850	54,609	39,089
1917.....	209,730	29,038	44,744	66,307	122,607	221,990	233,221	33,472	55,675	53,704
1918.....	108,044	34,194	48,722	111,312	99,423	241,390	146,378	54,080	40,701	80,279
1919.....	306,510	76,278	78,991	127,833	261,270	393,171	215,820	75,146	52,652	66,022
1920.....	243,878	92,399	101,651	108,026	252,451	1,015,188	242,796	81,630	137,583	89,359
1921.....	67,561	40,526	73,532	39,880	142,809	235,287	73,773	54,172	75,430	41,377
1922.....	107,039	68,614	72,499	59,042	160,854	251,905	101,843	66,000	87,070	49,256
1923.....	118,917	88,562	76,493	64,086	190,232	380,090	185,060	57,158	100,153	66,972
1924.....	75,052	68,299	72,335	59,667	248,828	363,666	174,281	75,362	90,914	59,396
1925.....	96,764	116,755	88,664	74,985	286,235	246,008	429,705	71,464	79,271	85,028
1926.....	96,811	119,650	87,560	79,060	322,746	242,534	505,818	60,670	67,159	82,238
1927.....	112,846	138,025	84,721	78,659	264,275	258,163	339,859	74,617	66,197	67,249
1928.....	150,810	121,711	89,667	77,919	309,644	207,045	244,865	55,160	69,295	80,087
1929.....	137,281	125,853	86,898	100,662	302,397	209,277	240,966	53,821	69,264	77,377
1930.....	92,268	68,656	76,496	73,402	209,472	129,565	140,642	40,822	46,219	54,300
1931.....	50,302	55,860	60,008	47,977	174,904	112,780	73,803	37,082	40,654	28,757
1932.....	22,493	28,495	44,270	29,264	136,812	96,718	32,538	23,027	27,602	16,908
1933.....	45,679	38,109	37,388	34,648	124,137	107,642	45,868	21,508	32,026	24,430

¹ Includes fur hats beginning 1921; formerly classified as miscellaneous textile products.

² Includes sirups and maple sugar prior to Oct. 4, 1913.

³ Includes semmanufactures.

IMPORTED INTO THE UNITED STATES

imports, they are for fiscal years ended Sept. 30 through 1840, and June 30, 1850, through 1915, calendar absence of trade, in other cases the item was not segregated

sands of dollars]

Wool and mohair	Wool manufactures (including rags, noils, waste)	Silk, raw	Saw-mill products	Wood pulp	Paper and manufactures	Petroleum and products	Copper, including ore and manufactures	Tin, including ore	Fertilizers and materials	Year or yearly average
97	7,239	119			58		233	149		1821.
816	5,901	234			170		807	108		1830
1,690	10,808	386			70		1,653	229		1840.
4,843	10,621	1,236			432		2,418	674	92	1850
7,734	43,142	1,194			497		1,030	1,158	526	1860
6,734	21,929	3,018			372		1,144	591	590	1865.
15,150	34,491	7,542			1,100		656	2,043	2,192	1870.
10,506	47,763	4,017			1,822		1,495	3,136	2,383	1871-1875.
10,603	28,482	8,076			1,359		672	2,927	2,251	1876-1880
10,459	37,946	8,603			1,838		525	4,963	4,677	1881-1885
18,129	48,638	9,194			2,325		470	7,095	4,723	1886-1890
26,212	34,531	1,851			3,149		896	7,687	6,240	1891-1895
24,687	29,496	1,107			2,882		5,866	10,604	7,043	1896-1900
40,132	17,429	12,147			3,539		22,611	21,550	14,892	1901-1905
42,664	22,885	7,729			6,708		30,244	30,244	27,046	1906-1910
170,173	22,777	16,254			12,953		46,129	41,463	39,631	1911-1915
102,369	26,852	42,814			47,214	30,363	103,805	73,739	67,142	1915-1920 ⁴
78,790	64,592	68,410			105,239	90,793	77,811	59,225	56,865	1921-1925
15,264	348,123	56,703			151,219	131,900	108,244	89,058	67,538	1926-1930
18,231	69,295	9,295			2,817		521	6,899	4,847	1890.
18,231	56,582	10,077			3,031		730	7,978	5,950	1890.
19,688	41,060	8,606			3,342		1,146	8,668	6,007	1892.
21,064	35,566	10,739			3,881		944	12,359	6,157	1893.
6,107	38,049	8,289			2,628		861	2,641	5,749	1894.
25,556	19,439	7,259			2,864		801	6,787	7,336	1895.
32,451	38,540	8,527			3,169		1,530	6,762	7,161	1896.
53,243	53,494	9,095			3,122		1,626	6,536	5,785	1897.
16,784	49,163	801			2,839		3,869	8,776	6,811	1898.
8,323	14,821	6,015			2,392		6,817	11,843	5,949	1899.
20,261	13,833	2,406			2,890		15,490	19,104	9,509	1900.
12,530	16,164	1,586			3,055		20,582	19,806	11,525	1901.
17,172	44,550	12,015			3,170		25,063	19,462	11,741	1902.
22,153	17,384	3,388			3,483		20,891	23,619	15,087	1903.
24,814	49,003	3,603			3,868		21,682	21,486	16,812	1904.
46,226	17,734	4,501			4,117		24,835	23,378	19,294	1905.
39,068	77,894	4,585			4,793		32,563	30,933	22,761	1906.
41,534	23,081	6,349			6,759		47,725	38,117	25,998	1907.
23,665	22,321	20,257			7,312	584	31,520	25,295	24,237	1908.
45,172	19,388	8,629			7,183	556	38,076	26,007	25,619	1909.
51,221	18,102	11,768			7,491	962	40,245	30,870	35,620	1910.
23,228	23,532	13,980			8,224	2,578	39,682	37,936	41,353	1911.
33,078	18,570	14,219			7,273	4,006	45,217	46,214	38,900	1912.
35,580	14,913	16,165			12,169	9,721	59,580	53,113	41,383	1913.
63,191	16,318	17,023			18,244	13,993	54,606	39,422	46,381	1914.
65,243	34,294	19,881			18,849	10,087	31,661	30,778	30,139	1915.
43,363	29,791	8,667			9,858	6,985	27,992	21,422	15,950	1915(6mos). ⁵
125,524	7,461	26,986			24,611	14,398	95,335	55,836	43,859	1916.
171,557	16,471	41,979			42,031	21,243	137,787	63,372	66,731	1917.
251,773	23,343	31,477			48,214	26,232	133,525	104,589	95,995	1918.
216,765	22,809	37,048			54,452	32,414	86,271	62,762	31,894	1919.
126,972	19,486	89,418			80,510	66,724	90,019	92,582	114,850	1920.
60,482	58,116	39,396			88,330	77,715	45,785	22,319	30,688	1921.
86,546	51,218	63,292			85,334	88,485	66,829	46,302	45,123	1922.
129,711	59,414	74,744			115,659	78,713	95,983	63,261	63,913	1923.
93,151	69,310	75,743			117,673	101,357	96,184	69,024	66,531	1924.
141,957	99,138	81,834			119,201	107,694	84,270	95,219	78,072	1925.
106,721	73,067	91,231			139,499	124,556	99,742	104,980	60,239	1926.
82,933	70,667	85,842			149,365	113,434	84,963	100,944	58,842	1927.
79,861	78,775	156,407			132,842	98,187	97,052	78,118	78,118	1928.
87,344	78,391	163,365			143,558	153,710	91,905	72,340	72,340	1929.
37,092	78,501	145,116			147,461	104,616	60,411	59,151	59,151	1930.
22,372	40,142	125,623			92,741	48,744	36,731	44,733	44,733	1931.
6,029	122,905	94,135			94,135	60,630	23,735	16,478	18,689	1932.
21,457	12,699	57,369			77,447	25,887	17,554	51,199	24,674	1933.

⁴ Average for period July 1, 1915, to Dec. 31, 1920.

⁵ July to December.

No. 490.—EXPORTS OF UNITED STATES MERCHANDISE BY COMMODITY GROUPS AND ARTICLES

NOTE.—Data are for calendar years. Figures for 1921-1925 are annual averages. For a number of items data are not shown separately for all years from 1921-1930 and for this reason many averages for 2, 3, and 4 years are shown in the table. Averages shown for group totals, however, always cover five years. In some cases the detail does not add to the total because of the different periods covered by the averages. For annual averages for 1910-1914, see Statistical Abstract 1930, Table 547.

Group and article	Quantity					Value in thousands of dollars						
	1921-1925	1926-1930	1930	1931	1932	1933	1921-1925	1926-1930	1930	1931	1932	1933
Total exports of domestic merchandise.							4,310,321	4,687,793	3,781,173	2,377,982	1,576,151	1,647,290
GROUP 00—ANIMALS AND ANIMAL PRODUCTS,												
EDIBLE												
Total							340,032	233,340	186,563	117,393	69,474	75,399
A. Animals, edible.							6,693	1,991	1,095	546	369	393
Cattle—												
Bulls for breeding—number		1,523	1,290	1,441	959	1,443		224	225	165	75	136
Cows for breeding—do	97,292	4,020	1,069	996	697		4,095	393	150	155	54	56
Other cattle—do		7,885	4,740	1,727	1,958	1,469		319	191	79	87	143
Hogs (swine)—do	83,472	32,936	12,684	1,228	11,078	14,207	1,188	558	208	20	112	13
Sheep—do	36,407	12,233	6,335	2,436	4,123	676	2,775	180	67	31	9	36
Poultry, live—1,000 lbs.	1,629	523	389	165	50	50	1,512	302	245	96	31	
B. Meat products.							139,833	77,963	65,612	35,653	13,967	25,607
Beef and veal—												
Fresh—do	4,725	2,408	2,853	2,083	1,633	2,808	779	503	634	444	233	370
Pickled or cured—do	23,339	13,576	14,671	13,022	9,808	12,734	2,342	1,591	1,837	923	630	707
Horse meat, pickled or cured—do			8,563	7,421	4,021	2,695			717	563	264	294
Pork—												
Carcasses, fresh or frozen—do	38,075	2,420	2,747	2,224	131	698	5,959	370	419	26	11	57
Lams and other fresh pork—do		10,845	14,826	9,323	8,002	13,712		1,996	2,619	1,344	698	1,330
Wiltshire sides—do		2,950	1,937				53,709	533	367			
Hams and shoulders, cured—do	296,758	135,289	120,170	84,885	65,218	78,579	28,478	28,478	23,703	13,078	6,737	8,663
Bacon—do		119,900	90,687	36,692	18,173	20,307	19,231	19,231	13,887	4,351	1,340	1,530
Cumberland sides—do	345,934	7,703	4,189	1,716	1,193	1,363	52,083	1,505	752	219	62	114
Pickled pork—do	33,785	33,427	30,628	15,789	15,259	16,068	4,301	4,800	4,205	1,576	1,031	1,044
Mutton and lamb—do	2,835	1,044	2,350	550	2,321	512	230	230	221	108	42	47
Sausage, not canned—do	7,696	3,907	3,282	2,618	2,037	2,321	2,106	1,115	961	638	366	438
Canned meats—do	115,911	16,418	17,946	15,342	11,420	13,499	5,551	5,752	6,305	5,025	2,368	2,882
Beef—do	2,807	2,323	1,710	1,478	1,003	1,202	710	838	668	481	244	239
Pork—do	2,808	8,865	12,197	11,246	8,713	10,847	927	3,313	4,411	3,852	1,795	2,414
Sausage—do	2,950	2,634	1,936	1,006	910	922	846	817	421	251	191	192
Other canned meat—do	17,538	2,596	2,644	1,612	794	528	3,069	785	804	441	128	87
Poultry and game, fresh—do		3,318		2,757	1,253	2,429	1,445	1,015	832	736	277	412
Other meats (including edible offal)—do	146,320	39,157	31,393	35,215	28,038	31,854	4,435	4,260	3,571	3,196	1,931	2,274
Sausage casings—												
Hog casings—do		13,924		11,004	9,701	11,882			3,000	2,004	1,567	2,851
Beef casings—do		16,583	12,701	13,621	18,301	18,301			1,596	1,094	1,121	2,155
Other casings—do		32,632	1,687	1,961	1,589	1,006	6,610	6,578	286	3.33	240	309

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No. 490.—EXPORTS OF UNITED STATES MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921-1925	1926-1930	1931	1932	1933	1921-1925	1926-1930	1930	1931	1932	1933	
GROUP 0.—ANIMALS AND ANIMAL PRODUCTS,												
INEDIBLE												
Total.....						109, 633	119, 117	91, 053	61, 836	36, 255	38, 883	
A. Hides and skins, raw, except furs.....1,000 lbs.												
Cattle hides.....	54, 765	51, 646	35, 592	42, 405	27, 497	7, 562	9, 022	4, 943	3, 068	2, 940	2, 049	
do.....	38, 604	31, 028	22, 426	20, 608	17, 209	4, 587	4, 685	2, 165	1, 885	1, 229	1, 028	
Calfskins.....	7, 481	10, 319	6, 656	6, 656	5, 075	1, 680	2, 361	1, 400	611	491	506	
do.....	1, 982	1, 925	1, 969	2, 345	1, 703	1, 521	561	503	235	157	192	
Sheep and goat skins.....	7, 094	8, 374	5, 963	6, 796	3, 510	878	1, 406	875	537	363	323	
do.....												
Other hides and skins.....												
Total.....						44, 288	47, 481	35, 468	25, 612	13, 150	13, 779	
B. Leather.....												
Upper leather (except patent)—												
Cattle, side upper—												
Grain.....		12, 092	8, 514	4, 972	6, 073		3, 476	2, 099	1, 293	761	1, 012	
Black.....		2, 504	1, 638	1, 170	1, 324		654	373	229	150	194	
do.....	15, 258	10, 188	6, 874	3, 802	4, 749	3, 638	2, 821	1, 726	1, 064	611	819	
Other.....		3, 912	1, 795	2, 200	1, 340		623	233	234	160	105	
Finished splits.....		2, 911	1, 343	454	344	887	1, 278	523	453	117	111	
Wax and rough splits.....												
Calf and kip.....	21, 140	25, 593	14, 700	9, 399	6, 827	7, 150	8, 794	4, 740	2, 409	1, 107	1, 293	
do.....		5, 192	2, 200	1, 871	2, 441		1, 831	1, 542	438	315	458	
Black grain.....		20, 400	10, 073	3, 989	4, 387		6, 962	3, 198	1, 738	710	835	
do.....												
Suede.....				375					132	82		
Sheep and lamb.....	17, 074	7, 769	5, 761	4, 107	3, 997	1857	1, 005	698	682	252	225	
Goat and kid upper leather (glazed kid)												
1,000 sq. ft.....	39, 319	46, 984	35, 068	22, 466	20, 467	10, 968	13, 787	12, 834	8, 733	4, 362	4, 341	
Black.....		20, 243	18, 186	9, 278	9, 836		5, 697	5, 352	3, 990	1, 730	2, 127	
do.....		26, 741	25, 269	13, 188	10, 631		8, 090	7, 482	4, 763	2, 632	2, 214	
Other.....	1767	522	262	291	241	1, 224	150	63	59	55	54	
Horse and colt.....		2, 171	1, 349	1, 164	763	1, 330	627	408	314	212	156	
do.....												
Other upper leather.....												
Patent upper leather—												
Patent side upper leather.....		27, 243	28, 345	27, 235	27, 325		8, 600	7, 096	6, 720	4, 140	4, 274	
do.....		2, 468	1, 995	222	406		1, 118	854	456	72	127	
Goat and kid.....		918	517	139	24	11, 418	353	176	97	28	6	
Horse and colt.....	33, 393	1, 007	1, 100	315	111		321	268	70	55	18	
Other.....												
Sole leather.....	17, 839	10, 276	8, 723	2, 139	1, 598	4, 704	3, 041	1, 787	1, 536	341	310	
Bonds, backs, sides.....	7, 551	3, 687	1, 719	2, 067	404	2, 595	1, 550	657	607	141	116	
do.....		11, 136	5, 809	1, 439	929	1, 916	1, 178	819	668	149	100	
Other (including offal).....												
Cut soles.....	1, 052	868	870	153	264	334	314	311	261	51	93	

	1,335	1,022	594	432	100	87	285	105	92	52	12
Glove leather—	1,335	1,022	594	432	100	87	285	105	92	52	12
Sheep and lamb.....	1,335	1,022	594	432	100	87	285	105	92	52	12
Other glove leather.....	1,335	1,022	594	432	100	87	285	105	92	52	12
Other leather—	1,335	1,022	594	432	100	87	285	105	92	52	12
Harness, collar, and saddle.....	1,159	1,04	41	48	25	18	178	53	18	10	9
Upholstery and automobile.....	1,197	2,535	1,912	1,085	512	742	346	488	353	188	75
Kane leather.....	1,574	695	577	475	206	232	1,179	182	118	126	35
Case, bag, and strap.....	1,537	488	500	341	211	161	1,153	147	117	90	45
Reptilian leather.....	1,201	201	201	208	144	167	1,005	1,005	748	426	624
Other leather and tanned skins.....	8,704	6,492	5,288	3,850	3,253	2,754	18,885	12,530	7,012	3,181	2,992
C. Leather manufactures											
Leather footwear—											
Boots and shoes.....	6,921	4,539	3,127	1,750	847	746	16,992	10,989	7,746	3,934	1,318
Men's and boys'.....	3,106	1,989	1,146	568	288	248	5,810	3,334	1,463	638	511
Women's.....	2,188	1,805	1,569	578	437	384	4,332	2,992	1,199	798	707
Children's.....	1,627	795	382	234	132	114	2,088	857	420	242	116
Slippers.....	153	375	528	501	231	71	185	387	489	354	130
Athletic shoes, sandals, overgaiters, leggings, puttees, and other footwear.....	1,118	68	29	40	22	18	1,152	100	56	64	28
Leather gloves.....	25,539	17,009	16,907	15,300	14,034	21	155	166	156	125	41
Harness and saddles.....	1,498,886	53,294	16,222	8,577	6,183	6,357	1,329	385	164	61	31
Traveling bags and suitcases.....	1,548	470	282	184	247	495	1,261	450	288	171	105
Pocketbooks, handbags, cigarette, key, pass, and similar leather cases.....	1,068	1,204	886	581	408	495	1,682	1,854	1,416	824	312
Leather belting, new.....	1,068	1,204	886	581	408	495	1,492	2,487	2,126	1,427	617
Other leather manufactures.....											
D. Furs and manufactures											
Undressed.....	113,768	16,895	21,605	19,581	16,981	18,358	18,755	25,819	22,136	14,882	13,465
Fox.....	1,140	107	65	79	98	187	1,956	2,044	1,034	1,311	1,170
Muskrat.....	1,367	4,117	8,365	7,033	6,880	7,910	12,638	4,150	4,950	3,249	2,688
Raccoon.....	1,162	57	37	49	13	35	1,569	363	258	214	3,042
Skunk and civet cat.....	1,324	2,627	2,509	1,915	2,071	1,891	17,322	5,570	4,446	2,623	1,739
Opossum.....	1,246	5,194	5,962	5,033	5,254	5,581	12,832	6,038	4,769	3,108	2,966
Other undressed furs.....	13,612	4,733	4,727	5,452	2,665	2,751	15,884	7,654	5,839	4,376	2,972
Dressed on the skin—											
Fox.....	27	18	12	12	4	3	576	331	200	44	58
Muskrat.....	69	104	219	219	37	29	63	55	77	14	15
Skunk and civet cat.....	27	5	24	24	38	2	134	59	29	9	2
Opossum.....	97	67	64	64	828	720	2,804	2,770	1,579	862	671
Other dressed furs.....	1,821	2,108	1,359	1,359	1,857	1,531	1,182	194	223	133	34
Fur wearing apparel (except fur felt hats).....											
Fur waste, pieces and damaged skins.....	5,302	8,686	5,335	5,335	1,857	1,531	1,396	1,345	1,391	2,035	1,100
Other fur manufactures.....	1,448	1,432	1,711	1,711			1,240	344	472	329	97
Animal oils and greases, inedible.....	182,988	78,398	72,898	84,539	64,208	81,808	8,079	8,905	5,091	3,995	3,034
Neat's-foot oil.....	1,387	1,330	1,330	1,022	883	1,079	1,226	217	209	142	126
Other inedible animal oils.....	2,717	916	1,377	1,144	1,928	1,833	300	94	108	74	101

* Trunks are included for 1921.

* Average for years 1922-1925.

* 1930 only

* Average for years 1922-1925.

No. 490.—EXPORTS OF UNITED STATES MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921-1925	1926-1930	1930	1931	1932	1933	1921-1925	1926-1930	1930	1931	1932	1933
GROUP 0.—ANIMALS AND ANIMAL PRODUCTS, IN-EDIBLE—Continued												
E. Animal oils and greases, inedible—Continued												
Fish oils.....	864	1,049	1,400	1,792	1,722	5,849	140	134	157	149	125	163
Grease stearin.....	2,438	2,438	3,172	3,850	1,428	942		233	271	228	74	50
Oleic acid, or red oil.....	2,931	2,931	1,515	1,068	876	1,587	1,314	263	131	68	37	80
Stearic acid.....	1,491	1,491	471	367	511	462		176	58	35	42	38
Other animal greases and fats.....	169,886	68,215	63,561	75,286	56,940	70,054	6,143	5,878	4,146	3,199	1,783	2,476
F. Other inedible animals and animal products												
Animals.....							6,443	7,336	5,635	2,925	1,954	1,792
Horses—							3,827	3,770	3,157	1,031	546	647
For breeding.....	13,105	569	154	117	107	141		248	141	113	44	65
Other.....	10,746	10,746	5,318	2,944	2,068	485	1,358	816	571	324	165	90
Mules, asses, burros.....	15,215	16,904	12,126	9,667	1,408	2,652	1,559	1,908	1,447	358	167	329
Fur animals.....		9,484	9,484	5,295	668	343		1,634	57	19	17	17
Other live animals.....							410	671	364	179	151	146
Bones, hoofs, and horns, unmanufactured.....												
Feathers, crude, not dressed.....	15,131	1,989	1,567	1,439	1,515		210	76	55	38	22	
Feathers, dressed, and manufactures of.....	14,300	7,353	8,580	7,642	6,067	6,176	355	608	701	472	306	221
Glue of animal origin.....							1,248	177	147	121	54	56
Sponges.....	2,390	2,449	1,995	1,233	940	760	384	421	409	248	151	136
Wax manufactures.....	121	110	105	68	62	72	139	189	164	85	67	68
Other animal products, inedible.....	1,562	1,373	384	108	79		368	267	84	32	29	
GROUP 1.—VEGETABLE FOOD PRODUCTS AND BEVERAGES												
Total.....							676,399	520,437	354,376	237,004	172,063	127,585
A. Grains and preparations												
Barley—							474,392	318,570	191,948	106,045	66,917	31,540
Grain.....	21,274	28,527	9,874	7,851	7,043	7,142	18,598	24,883	7,122	5,390	2,869	3,379
Malts.....	5,072	2,982	2,085	692	239	230	5,773	3,074	1,940	653	213	212
Buckwheat.....	215	186	8	341	300	5	254	195	9	225	165	3
Corn—												
Grain.....	73,180	20,481	6,369	2,700	7,886	5,365	55,349	19,537	5,985	1,990	2,815	2,633
Meal and flour.....	330	330	268	178	130	142	2,535	1,611	1,007	677	598	392
Hominy and corn grits.....	187,440	17,078	6,181	9,422	11,895	10,650	1,570	353	144	156	141	138
Corn breakfast foods ready to eat.....	15,860	7,279	5,105	2,329	1,207	1,267	1,403	559	414	218	123	147
Oats—												
Grain.....	13,972	8,032	1,501	2,121	3,486	1,476	7,313	4,006	696	532	762	386
Oat meal, flaked and rolled oats.....	121,738	82,288	38,710	44,688	24,165	18,957	4,630	2,277	2,846	2,308	1,284	1,267

Rice—	Grain.....do.....	226,777 63,430	213,066 46,488	208,681 65,491	194,735 60,457	130,224 11,320	{ 11,876	{ 8,902	8,526	6,477	4,341	3,008	1,211	1,791	15,873	49,771	34,456	90,401	1,613	1,613	1,613	49,771	34,456	90,401	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613	1,613
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No. 490.—EXPORTS OF UNITED STATES MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921-1925	1926-1930	1930	1931	1932	1933	1921-1925	1926-1930	1930	1931	1932	1933
GROUP 1.—VEGETABLE FOOD PRODUCTS, ETC.—Continued												
C. Vegetables and preparations—Continued												
Pickles.....	1 10,816	3,361	2,790	1,685	1,157	1,069	1,691	309	266	199	115	111
Ketchup and other tomato sauces.....do	3,152	8,898	7,070	4,955	2,618	2,508	1,209	1,209	499	499	232	205
Other sauces and relishes.....do	199	3,152	3,414	1,987	1,477	1,368	670	691	398	398	245	231
Vinegar.....	1 2,846	3,588	3,714	3,084	2,889	2,790	85	151	177	160	65	62
Yeast.....	1 2,846	3,588	3,714	3,084	2,889	2,790	728	694	677	560	498	487
Other vegetable preparations.....							1 175	367	317	253	180	162
D. Fruits and nuts												
Fruits and preparations												
Subtropical fruits—												
Grapefruit.....	1 316	744	889	1,341	1,022	968	1 998	3,080	8,660	3,991	2,390	2,181
Lemons.....do	210	265	205	288	218	168	1,842	1,842	1,107	1,107	819	6,028
Oranges.....do	2,088	3,336	4,849	3,129	3,129	3,399	8,465	14,135	11,468	13,255	7,112	6,065
Pineapples.....boxes	1 36,564	50,862	29,691	53,043	28,125	15,230	1 145	162	96	155	61	38
Other fresh fruits—												
Apples in boxes.....	1 4,909	8,102	9,577	9,906	10,220	7,224	1 11,400	17,418	18,542	17,608	13,102	8,318
Apples in barrels.....												414
Berries.....	1 493	2,502	2,091	2,605	2,130	1,173	7,988	12,408	10,123	11,552	8,316	4,365
Grapes.....do	1 9,688	11,226	7,266	7,089	6,154	7,200	1,952	1,163	903	742	438	411
Pears.....do	1 19,680	55,082	48,999	28,876	28,837	27,226	1 1,242	2,121	2,122	1,461	1,090	979
Peaches.....do	1 49,627	77,493	121,211	103,416	112,607	105,210	4,515	6,170	4,510	3,994	3,694	3,694
Other fresh fruits.....do	1 15,082	17,411	12,734	10,897	3,603	2,782	1 689	688	492	339	106	95
Dried and evaporated fruits.....do	1 287,970	459,929	437,987	502,942	420,340	398,790	25,571	33,379	28,035	28,934	19,402	21,782
Dried fruits for salads.....do												725
Raisins.....do	84,548	163,551	123,105	135,754	115,464	91,214	8,188	10,170	6,310	7,925	5,665	3,993
Apples.....do	21,304	31,781	29,939	36,361	31,629	39,999	2,478	3,563	3,067	3,144	2,008	3,047
Apricots.....do	20,444	20,860	22,322	36,547	33,138	35,836	3,245	3,845	2,820	3,840	2,409	3,381
Peaches.....do	6,855	7,217	6,638	9,392	7,331	7,254	693	766	681	762	429	492
Prunes.....do	127,730	217,528	235,057	287,800	210,204	163,089	9,637	13,575	13,566	11,521	7,783	9,352
Other.....do	1 11,702	14,747	3,569	2,915	2,193	9,596	1 330	1,480	1,369	1,172	109	360
Canned fruits												
Grapefruit.....do	1 210,101	287,510	292,794	292,219	294,288	296,261	20,263	25,554	24,330	22,423	17,925	17,182
Berries.....do												1,230
Apples and apple sauce.....do	9 13,470	17,651	6,566	7,768	5,361	5,446	8,154	986	823	789	382	377
Apricots.....do	32,126	28,084	23,142	18,594	19,560	12,342	9 799	2,682	2,077	848	779	476
Cherries.....do	1 720	1 880	1 400	22,636	24,315	22,048	2 776	304	295	1,711	1,618	1,387
Prunes.....do	2 684	2 644	1 842	855	697	805	1 277	277	196	105	92	73
Peaches.....do	162,198	80,501	71,451	76,891	82,907	73,983	8 908	7,040	6,103	5,487	4,825	4,166
Pears.....do	53,906	60,572	56,903	85,779	72,357	70,749	5,915	6,196	3,493	6,214	4,726	4,359

Pineapples.....do.....	126,321	43,000	37,700	24,473	17,389	20,424	2,767	4,049	3,613	2,053	1,240
Fruits for salad.....do.....	31,108	28,340	28,340	32,811	32,173	33,628	4,620	4,620	4,090	4,248	3,243
Other canned fruits.....do.....	133,784	12,404	9,703	2,438	1,633	1,891	3,712	1,331	1,935	228	162
Preserved fruits, jellies, and jams.....do.....	2,011	2,064	1,491	808	531	567	449	300	292	157	90
Other fruit preparations.....do.....	8,238	23,061	5,085	5,760	4,135	500	2,650	407	428	310	247
Nuts.....do.....											
Almonds.....do.....	11,153	10,464	9,876	12,077	13,297	22,423	1,013	1,453	1,246	1,138	2,014
Peanuts.....do.....	7,707	4,464	2,960	7,107	7,107	1,426	578	363	139	202	66
Other nuts.....do.....	5,142	6,031	6,915	10,235	6,190	20,997	826	1,069	1,000	999	1,948
E. Vegetable oils and fats, edible.....do.....											
Coconut oil, refined.....do.....	109,012	33,938	30,318	31,241	23,450	18,163	12,401	4,297	3,449	2,854	1,308
Cottonseed oil, refined.....do.....	174,244	11,876	11,903	12,845	10,913	9,262	10,762	1,313	1,168	1,162	561
Soybean oil.....do.....	1,708	5,416	4,551	4,551	2,647	1,569	104	81	488	410	123
Corn oil.....do.....	4,404	613	776	776	960	1,026	648	265	102	63	66
Cocoa butter.....do.....	1,619	846	361	457	855	2,120	447	265	83	80	243
Cooking fats, other than lard.....do.....	28,745	12,340	8,790	5,994	3,408	2,602	3,618	1,643	1,136	704	301
Other edible vegetable oils and fats.....do.....	3,538	3,689	3,837	3,837	1,600	736	542	842	487	287	118
F. Cocoa and coffee.....do.....											
Cocoa, powdered.....do.....	135,232	13,081	12,956	11,081	7,766	10,021	7,294	5,527	3,338	2,656	1,847
Chocolate, including sweetened.....do.....	17,719	2,623	2,257	2,130	1,616	1,520	767	365	343	270	186
Coffee, green.....do.....	26,775	12,209	6,010	5,361	3,504	5,634	5,716	3,481	1,293	1,081	512
Coffee, roasted.....do.....	1,551	2,164	2,717	1,850	1,293	1,470	447	758	504	504	335
Coffee extracts and substitutes.....do.....	1,749	1,159	1,220	1,015	875	863	1,454	709	750	672	523
G. Spices and food flavors.....do.....											
Spices.....do.....	1,542	1,850	3,068	1,203	883	858	887	724	648	396	289
Flavoring extracts ¹.....do.....				32	20	18	623	261	292	152	121
H. Sugar and related products.....do.....											
Sugar, refined.....do.....	882,923	214,102	155,627	105,155	98,008	100,992	51,536	18,052	11,764	7,423	4,468
Molasses.....do.....	4,253	7,950	10,227	6,919	640	3,193	39,926	7,268	3,807	2,338	1,617
Confectionery.....do.....											
Cocoa.....do.....	11,349	1,933	1,721	1,152	905	895	2,103	552	495	294	205
Other.....do.....	3,143	11,360	8,800	6,570	3,949	4,494	1,493	1,405	1,405	916	566
Chewing gum.....do.....	3,357	3,682	3,682	2,790	1,527	1,514	1,262	1,624	1,438	1,120	621
Honey.....do.....	175,229	8,585	4,183	4,183	4,720	6,188	362	765	324	363	338
Glucose (corn syrup).....do.....	7,874	119,088	71,804	62,239	42,946	44,313	5,404	4,065	2,636	1,435	1,074
Grape sugar (corn sugar).....do.....	5,166	6,965	3,010	2,516	1,842	2,984	1,485	245	118	92	103
Syrup, including maple.....do.....		2,829	1,612	811	525	675	1,485	842	541	234	111
I. Beverages.....do.....											
Malt extract and sirup.....do.....	1,800	3,488	3,323	2,220	968	813	1,399	1,610	1,779	1,213	801
Distilled liquors.....do.....	238	191	27	31	14	8	641	87	369	259	64
Mineral waters, natural and artificial.....do.....	1,216	201	162	108	70	62	1,180	179	13	16	3
Fruit juices, sirups, and flavors for soda fountain.....do.....											
Fruit juices.....do.....		362	400	336	400	616			633	505	547
Other beverages and fruit juices ¹.....do.....		487	478	201	75	116	448	706	607	338	107

¹ Average for years 1922-1925. ² Average for years 1920 and 1930. ³ Average for years 1927-1930. ⁴ Average for years 1924 and 1925. ⁵ Includes crude cottonseed oil for 1921.

⁶ "Fruit juices" are included with "Flavoring extracts" prior to 1924 and with "other beverages" thereafter.

No. 490.—EXPORTS OF UNITED STATES MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921-1925	1926-1930	1930	1931	1932	1933	1921-1925	1926-1930	1930	1931	1932	1933
GROUP 2—VEGETABLE PRODUCTS, INEDIBLE, EXCEPT FIBERS AND WOOD												
Total							273,084	280,407	283,455	186,357	114,520	135,628
A. Rubber and manufactures							39,003	67,366	58,906	36,711	16,364	17,820
Rubber, reclaimed.....1,000 lbs.	4,747	20,507	21,210	15,626	7,921	8,022	456	1,598	1,234	724	312	305
Rubber, scrap and old.....do.	16,486	43,150	52,898	53,238	49,112	48,900	768	2,089	1,734	1,129	781	751
Rubberized automobile cloth.....1,000 sq. yds.		\$1,615	1,259	908	506	730		\$811	612	394	206	302
Other rubberized piece goods and hospital sheeting.....1,000 sq. yds.		1,687	1,342	1,229	665	618		795	592	480	215	221
Rubber footwear—												
Boots.....1,000 pairs.	487	1,126	968	720	112	72	1,166	2,495	2,063	1,547	228	137
Shoes.....do.	1,481	2,283	2,097	875	216	160	1,369	2,418	2,433	717	139	75
Canvas shoes with rubber soles.....do.	13,832	5,415	4,041	1,414	333	274	12,883	3,716	2,642	888	174	134
Rubber soles.....1,000 doz. prs.		1,473	1,188	767	329	370	754	1,496	820	489	192	189
Rubber heels.....do.												
Rubber water bottles and fountain syringes.....1,000 pieces.		383	467	394	220	198		239	238	182	74	70
Rubber gloves.....doz. pairs.		96,610	120,668	90,278	55,191	66,178	978	277	307	221	118	131
Other druggists' rubber sundries.....do.								422	330	332	273	205
Rubber balloons.....1,000 gross.		\$688	751	657	294	249	\$1,135	943	768	594	245	213
Rubber toys and balls.....do.		162	159	115	45	71	\$296	356	340	228	80	115
Bathing caps.....1,000 dozens.	\$164		567	608	280	261		262	262	180	82	73
Rubber bands.....1,000 lbs.		925	507	401	262	337		597	308	239	162	184
Rubber erasers.....do.												
Hard-rubber goods—												
Electrical hard-rubber goods.....1,000 lbs.	1,752	1,388	1,251	1,325	1,024	1,025	1,256	271	172	145	102	100
Other hard-rubber goods.....do.							1,500	358	360	228	103	115
Tires—												
Casings, automobile.....thousands.	1,362	2,387	2,505	1,771	908	1,065	16,288	30,062	27,767	18,093	7,777	9,016
Truck and bus.....do.		\$370	453	398	187	211	\$8,808	\$8,808	10,062	7,576	3,001	3,323
Other automobile.....do.		\$2,280	2,652	1,373	721	847		\$21,815	17,705	10,518	4,776	5,693
Tubes, automobile.....do.	1,133	1,581	1,590	1,151	574	664	1,949	3,232	2,694	1,541	601	692
Other casings and tubes.....do.	1,104	99	101	89	32	26	292	272	249	205	73	58
Solid tires—												
For automobiles and motor trucks.....number.	191,972	64,148	24,601	11,868	7,820	6,839	2,213	2,049	796	375	104	183
Other.....do.	1,148	1,664	1,513	1,701	1,317	1,113	1,290	378	256	223	163	122
Tire sundries and repair materials.....1,000 lbs.							1,574	1,609	1,280	815	492	369
Rubber and friction tape.....1,000 lbs.		1,492	1,500	1,122	636	599		438	415	296	147	122

58	Rubber belting.....do.....	13,447	4,808	4,298	3,491	1,480	1,703	1,852	2,675	2,195	1,382	623	783
59	Rubber hose.....do.....	14,402	7,433	7,292	4,753	2,891	3,064	1,769	2,678	2,448	1,388	677	826
30	Rubber packing.....do.....	11,628	2,351	1,971	1,275	956	1,018	1,742	1,066	877	1,325	351	306
	Rubber thread.....do.....	11,179	1,583	1,627	1,586	1,249	1,448	1,326	1,732	1,613	1,206	733	762
	Other rubber manufactures.....							3,141	2,631	2,566	1,612	961	968
	B. Naval stores, gums, and resins.												
	Naval stores—												
	Rosin.....	1,038	1,270	1,274	1,061	1,098	1,213	11,278	20,008	14,265	8,059	6,255	7,864
	Gum rosin.....do.....		1,105	1,070	907	938	984	17,366	17,366	11,880	6,923	5,345	6,540
	Wood rosin.....do.....		165	194	154	160	219		2,382	2,386	1,136	910	1,324
	Gum spirits of turpentine.....	10,635	14,271	15,142	12,214	10,940	13,388	9,988	8,312	6,612	4,813	4,110	5,781
	Wood turpentine.....do.....	1,508	824	832	692	529	851	1,408	459	410	298	229	333
	Tar and pitch of wood.....	19,964	19,964	11,895	9,564	5,855	6,913	19,244	218	127	92	56	65
	Other gums and resins.....	12,171	4,253	4,905	4,440	3,692	4,248	1,679	1,188	1,282	1,043	636	662
	C. Drugs, herbs, leaves, and roots, crude.												
	Ginseng.....	168	194	203	235	171	233	8,174	8,941	2,576	2,413	1,193	1,267
	Other crude vegetable drugs.....	15,837	4,880	4,704	3,837	3,081	4,366	2,081	2,421	8,777	1,922	853	844
	D. Oilseeds.	3,944	2,875	2,075	13,938	250,295	23,792	178	140	91	232	2,398	246
	E. Vegetable oils.												
	Expressed oil and fats, inedible—												
	Coconut oil.....	14,579	23,132	25,107	15,307	21,581	25,350	1,316	1,007	1,791	761	780	795
	Cotton seed oil, crude.....	127,990	31,115	16,394	9,733	44,555	26,143	12,474	2,581	1,228	582	1,445	778
	Linseed oil.....do.....	2,820	2,171	1,592	1,094	842	828	364	237	214	111	60	76
	Vegetable soap stock.....	10,307	10,955	16,952	24,894	18,303	18,609	1,374	647	971	1,052	563	466
	Other expressed oils and fats.....	7,495	3,861	3,861	4,534	1,808	1,330	882	788	321	346	82	72
	Essential or distilled oils—												
	Peppermint.....do.....	120	183	233	230	292	235	511	701	700	438	455	567
	Orange.....do.....	436	28	28	12	22			110	59	28	30	
	Pine.....do.....	1,413	346	346	391	435	841		215	195	224	246	471
	Other.....do.....	1,028	2,786	896	1,363	1,175	1,229	698	1,197	1,039	782	580	690
	F. Dyeing and tanning materials.												
	Dye extracts—												
	Logwood extracts (include hematine crystals)	12,072	2,111	1,846	1,602	960	962	349	213	193	165	103	105
	Other dye extracts.....	12,000	695	289	551	587	599	472	87	36	44	44	58
	Tanning extracts—												
	Chestnut.....	18,297	5,949	1,975	1,634	4,026	4,385	1,268	183	77	59	92	132
	Other (vegetable and chemical).....	122,535	31,598	28,919	23,089	33,299	34,466	1,141	1,651	1,553	1,285	1,202	1,334

¹² Of 500 pounds.

¹³ Tar, turpentine, and pitch prior to 1922.

¹⁴ Average for years 1927-1930.

¹⁵ Average for years 1924 and 1925.

¹⁶ Average for years 1922-1925.

¹⁷ Average for years 1929 and 1930.

¹⁸ Average for years 1928-1930.

No. 490.—EXPORTS OF UNITED STATES MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921-1925	1926-1930	1930	1931	1932	1933	1921-1925	1926-1930	1930	1931	1932	1933
GROUP 2. VEGETABLE PRODUCTS, INEDIBLE—Contd.												
G. Seeds, except oilseeds.....	1 33, 008	23, 743	23, 868	20, 468	18, 885	15, 382	3, 822	3, 488	3, 304	2, 307	1, 488	1, 692
Field and garden seeds—												
Alfalfa.....	1 780	915	833	218	1, 565	1, 199	1 138	189	103	43	159	123
Red clover.....	do.	676	535	670	298	3, 025	611	144	96	99	22	389
Other clover.....	do.	698	709	287	319	134	do.	133	70	52	32	13
Timothy.....	do.	13, 520	15, 829	10, 476	10, 891	5, 009	1, 262	880	1, 244	736	432	231
Other grass seeds.....	do.	6, 284	6, 419	5, 190	3, 509	3, 967	747	974	1, 128	643	266	351
Other field seeds.....	do.	2, 931	2, 269	1, 297	964	473	1, 092	254	140	56	43	12
Vegetable and flower seeds.....	do.	3, 719	3, 274	2, 360	1, 340	1, 584	do.	914	924	680	534	564
H. Nursery and greenhouse stock.....							439	678	728	392	223	158
Flowers, cut.....							110	153	105	66	38	38
Fruit stock, cuttings, or seedlings thousands.....		2, 713	2, 872	1, 065	457	425	329	165	155	87	53	42
All other nursery or greenhouse stock, plants, and bulbs.....								340	410	200	104	77
I. Tobacco and manufactures.....												
Tobacco, unmanufactured.....	502, 969	545, 676	579, 704	524, 470	411, 159	438, 936	187, 219	183, 311	158, 208	118, 483	72, 810	89, 865
Leaf tobacco.....	do.	535, 348	590, 938	503, 545	387, 706	420, 418	164, 695	144, 649	145, 699	110, 780	63, 901	82, 924
Bright flue-cured.....	do.	396, 038	397, 085	388, 252	285, 311	297, 941	163, 888	144, 115	144, 593	109, 028	64, 982	82, 094
Burley.....	do.	9, 215	9, 624	8, 919	12, 342	10, 611	98, 352	114, 217	113, 386	88, 993	40, 161	67, 656
Dark-fired Kentucky and Tenn.....	do.	100, 217	105, 440	67, 971	79, 383	76, 574	25, 908	16, 004	17, 031	10, 081	6, 848	6, 064
Dark Virginia.....	do.	20, 173	15, 379	11, 430	14, 370	11, 936	13, 831	4, 735	4, 067	2, 564	2, 965	1, 873
Maryland and Ohio export.....	do.	13, 175	9, 721	7, 549	10, 169	9, 186	2, 839	2, 358	2, 227	2, 323	2, 343	2, 064
Green River.....	do.	13, 831	7, 919	5, 347	4, 389	2, 542	3, 550	2, 515	1, 911	1, 459	709	305
One-sucker leaf.....	do.	do.	2, 789	1, 477	997	1, 116	do.	2, 515	1, 401	162	118	98
Black fat, water baler, dark African.....	do.	do.	8, 074	8, 673	9, 077	8, 578	do.	1, 709	1, 709	1, 673	1, 537	1, 235
Cigar leaf.....	do.	2, 075	4, 153	3, 794	686	1, 894	470	640	724	723	273	535
Other leaf tobacco.....	do.	6, 856	164	133	122	40	9, 532	1, 328	74	60	52	15
Stems, trimmings, and scrap tobacco.....	do.	10, 327	18, 746	20, 925	23, 393	18, 518	712	433	1, 016	1, 152	919	830
Tobacco manufactures.....												
Cigarettes.....	10, 182	8, 344	4, 927	2, 908	2, 417	2, 495	22, 624	18, 762	12, 597	8, 709	6, 908	6, 671
Chewing tobacco, plug and other.....	do.	3, 624	3, 024	2, 604	2, 000	1, 645	19, 631	16, 137	10, 187	6, 751	5, 329	4, 895
Smoking tobacco (including cigar cuttings).....	do.	1, 128	1, 335	1, 046	854	875	1, 775	1, 774	1, 144	843	676	676
Other tobacco manufactures.....	do.	2, 386	1, 339	80	62	130	931	727	893	775	605	558
		264					298	124	91	69	181	541

J. Miscellaneous vegetable products.									
Starch.—									
Cornstarch and corn flour.....	250,075	214,430	163,702	87,719	52,052	58,834	7,069	11,476	4,683
Other starch.....	15,592	8,232	1,844	1,607	4,600	4,583	5,361	2,787	2,776
Broom corn.....	4,122	4,283	4,403	4,033	3,355	3,365	110	85	1,558
Brooms.....	119,367	17,718	17,167	14,697	8,208	7,490	556	199	304
Dyeing and tanning materials, crude.....	2,692	1,595	7,724	1,717	4,135	96	81	37	28
Hops.....	18,286	10,051	7,640	3,797	3,007	6,727	70	36	42
Other inedible vegetable products.....							1,144	591	2,288
							1,063	707	350
GROUP 3.—TEXTILES									
Total.....							997,187	954,913	455,771
A. Cotton, unmanufactured.....									
(1,000 bales.....)	6,839	8,287	6,597	6,956	9,089	8,532			
(1,000 lbs.....)	3,420,430	4,398,362	3,492,234	3,686,956	4,808,148	4,592,430			
Raw cotton, except linters.....	6,528	8,112	6,480	6,851	8,916	8,353			
(1,000 lbs.....)	3,363,726	4,227,832	3,421,987	3,602,989	4,714,631	4,411,597			
Long staple (1½ inches or over)—		14	3	1	1	(13)			
Sea-island American-Egyptian (Pima).....		2,083	1,682	336	240	228		571	463
(1,000 lbs.....)		878	878	161	221	185			
Other.....		1,150,598	493,897	83,223	115,945	102,080	235,711	89,318	20,555
(1,000 lbs.....)		1,5,382	7,232	6,689	8,695	8,158			
Upland, (under 1½ inches).....	2,766,410	3,708,101	3,304,394	3,519,428	4,508,445	4,300,289	1707,074	670,399	472,584
(1,000 lbs.....)	111	175	117	105	143	179			
Linters.....	56,704	100,530	70,247	63,967	88,517	111,833	3,615	5,690	3,166
(1,000 lbs.....)									
B. Cotton semimanufactures.....									
Cotton pulp.....	88,293	107,562	76,093	87,891	106,354	93,479	15,395	21,237	15,007
Cotton-mill waste.....	59,245	66,157	44,914	44,206	45,113	42,923	6,739	6,561	4,211
Cotton rags, except paper stock.....	13,559	16,207	12,741	8,995	8,754	12,508	967	1,145	885
Cotton batting, carded cotton, and roving.....		7,389	306	427	154	464		71	51
(1,000 lbs.....)									
Cotton yarn.....									
Carded yarn, not combed.....	15,489	13,507	8,164	6,773	9,743	8,402	7,090	4,585	2,407
Combed yarn.....		11,483	9,967	7,499	5,770	3,579		8,903	7,452
Mercerized.....		10,102	8,690	6,477	5,135	2,085		8,445	4,725
Not mercerized.....		1,911	1,277	1,022	635	1,454		961	4,353
(1,000 lbs.....)									
C. Cotton manufactures.....									
Cotton thread and cordage—									
Sewing thread.....	11,400	1,113	939	803	840	837	1,660	1,136	836
Crochet, darning, and embroidery cotton.....									
Twine and cordage.....	1186	104	45	22	9	17	1,202	125	52
(1,000 lbs.....)	1,3,558	4,266	3,445	2,612	2,318	2,474	1,1,569	1,629	1,286
Cotton cloth, duck, and tire fabric.....	594,932	591,180	416,295	366,959	375,447	302,042	79,875	72,298	51,385
(1,000 sq. yds. ¹⁴)									
Tire fabric—									
Cord.....		2,980	946	635	889	423		1,296	356
Other.....		1,285	569	594	557	479		413	212
Average for years 1922-1925.....									
Average for years 1927-1930.....									

¹ Average for years 1928-1930.

² Average for years 1929 and 1930.

³ Stated in thousands of linear yards prior to Jan. 1, 1922.

⁴ Average for years 1922-1925.

¹⁴ Less than 500

No. 490.—EXPORTS OF UNITED STATES MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921-1925	1926-1930	1931	1932	1933		1921-1925	1926-1930	1931	1932	1933	
GROUP 3. TEXTILES—Continued												
C. Cotton manufactures—Continued.												
Cotton cloth, duck, and tire fabric—Contd.												
Cotton duck.....1,000 sq. yds. ¹⁴	9,597	13,048	9,808	8,149	6,196	5,380	4,229	4,391	3,093	1,838	985	1,000
Heavy duck, paper dryer, hose, and belt- ing duck.....1,000 sq. yds.		7,586	429	452	382	455		7,972		257	112	150
Unbleached (gray).....do	7,451	9,679	7,101	6,025	4,002	4,258	3,410	3,201	2,084	1,199	710	701
Ounce.....do		8,230	3,953	3,294	3,635	3,116		\$ 1,449	655	645	446	396
Numbered.....do		8,418	3,148	1,267	1,142	1,142		\$ 1,068	1,125	654	264	304
Bleached.....do	1,330	1,724	1,211	1,138	377	377	520	540	336	231	93	80
Colored.....do	817	1,293	1,067	834	353	289	300	427	361	151	80	69
Cotton cloth.....do		503,888	404,970	357,529	367,806	295,780	75,645	66,188	47,794	93,573	26,072	22,940
Unbleached (gray).....do	515,335	122,034	102,602	97,721	101,263	85,428	16,347	11,178	7,924	6,886	4,566	4,265
Drills and twills.....do	147,866	711,649	9,180	7,803	7,156	5,829		\$ 1,405	977	631	463	403
Sheetings, 40 inches and under.....do		771,526	58,808	62,799	70,757	60,363		\$ 6,030	4,330	3,467	2,968	2,707
Sheetings over 40 inches.....do		71,476	1,239	866	694	717		7,163	127	47	41	39
Osnaburgs.....do		719,970	17,053	16,772	14,687	14,978		\$ 1,976	1,553	1,133	820	952
All other.....do		716,993	16,432	9,781	7,819	3,541		\$ 1,121	937	698	265	165
Bleached.....do	87,278	87,023	63,906	54,434	51,419	40,336	12,058	10,190	6,951	4,921	3,582	3,139
Drills and twills.....do		\$ 4,065	3,685	2,441	2,387	2,714		\$ 618	557	336	236	313
Pajama checks.....do		\$ 8,833	7,244	4,059	4,490	2,789		\$ 879	681	303	273	162
Sheetings—												
40 inches wide and under.....do		\$ 25,104	16,632	13,551	20,003	15,110		\$ 2,784	1,719	1,087	1,215	1,039
Over 40 inches wide.....do		\$ 8,654	3,021	3,021	2,191	3,103		\$ 1,441	569	332	105	274
All other bleached.....do		\$ 29,919	31,999	31,362	22,348	16,619		\$ 3,360	3,425	2,863	1,673	1,552
Colored.....do	280,191	294,831	238,372	205,374	215,124	170,017	46,641	44,811	32,919	22,766	17,924	14,835
Voiles.....do		\$ 50,645	49,535	41,157	37,227	29,326		\$ 7,139	6,942	4,390	3,054	2,566
Percalés and prints—												
32 inches and narrower.....do		727,291	18,361	13,775	13,845	5,847		\$ 2,795	1,723	1,076	967	399
Over 32 inches wide.....do		711,770	11,852	11,756	15,799	14,264		\$ 1,949	1,469	1,230	1,300	1,199
Flannels and flannellettes.....do		73,887	2,310	1,785	2,411	1,833		\$ 576	315	214	177	111
Khaki and fustians.....do		4,190	3,702	3,304	4,020	2,959		\$ 828	704	532	546	423
Denims.....do		716,288	16,966	17,577	17,339	11,808		\$ 2,845	2,561	2,050	1,217	1,217
Suttings (drills, etc.).....do		726,049	20,581	17,766	13,965	13,180		\$ 4,241	3,177	2,314	1,413	1,344
Gingham.....do		711,169	6,180	4,228	3,833	1,459		\$ 1,196	610	347	235	99
Chambrays.....do		715,345	17,247	15,485	16,167	13,048		\$ 1,008	1,702	1,217	1,015	819
All other printed fabrics—												
7½ and more yds. per lb.....do		41,327	15,423	19,271	28,085	16,766		6,899	2,504	2,364	2,420	1,572
Less than 7½ yds. per lb.....do			19,239	17,777	10,970	13,058			2,734	1,974	1,117	1,553

All other piece-dyed fabrics— 5 and more yds. per lb. do. Less than 5 yds. per lb. do. All other yarn-dyed fabrics do. All other rayon mixtures (cotton chief value) 1,000 sq. yds. Cotton and silk mixtures (cotton chief value) 1,000 sq. yds.	{ 7 45, 227 15, 610 12, 557 7 18, 588 7 15, 060 11, 338	18, 632 8, 790 8, 977 5, 094	24, 436 10, 157 8, 071 2, 799	26, 530 8, 286 5, 825 1, 513	{ 7 9, 247 2, 811 7 4, 200 3, 295	1, 883 978 989 1, 208 445	2, 347 2, 027 1, 754 3, 295	1, 950 803 511 261	
Other cotton fabrics— Blankets 1,000 lbs. Dimas 1,000 sq. yds. Pie fabrics, plushes, velveteens, and cord- uroys 1,000 sq. yds. Tapestries and other upholstery 1,000 Cotton fabrics sold by the pound 1,000 lbs. Cotton wearing apparel— Knit goods— Gloves doz. prs. Hosiery 1,000 doz. prs. Women's do. Children's do. Men's socks do. Underwear 1,000 doz. Sweaters, shawls, and other knit outer- wear 1,000 pcs. Other wearing apparel— Collars and cuffs 1,000 doz. Overalls, breeches, pants 1,000 doz. Underwear, not knit 1,000 doz. Shirts do. Dresses, skirts, and waists 1,000 pcs. Other cotton clothing— Handkerchiefs 1,000 doz. Laces, embroideries, and lace window cur- tains 1,000 yds. Woven belting for machinery 1,000 yds. Cotton bags do. Quilts, comforts, counterpanes, etc. number. Bed sheets, pillow, bolster, and mattress cases doz. Towels, bath mats, wash cloths 1,000 doz. Other cotton manufactures. Jute manufactures— Jute yarn, cordage, and twine 1,000 lbs. Bags of jute do. Other jute manufactures do.	7 45, 227 15, 610 12, 557 7 18, 588 7 15, 060 11, 338	18, 632 8, 790 8, 977 5, 094	24, 436 10, 157 8, 071 2, 799	26, 530 8, 286 5, 825 1, 513	{ 7 9, 247 2, 811 7 4, 200 3, 295	1, 883 978 989 1, 208 445	2, 347 2, 027 1, 754 3, 295	1, 950 803 511 261	

¹ Average for years 1922-1925.
² Average for years 1923-1925.
³ Average for years 1929 and 1930.

⁴ Stated in thousands of linear yards prior to Jan. 1, 1922.

⁵ Data prior to 1922 are all twine of vegetable fibers other than binder twine.

No. 490.—EXPORTS OF UNITED STATES MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921-1925	1926-1930	1930	1931	1932	1933	1921-1925	1926-1930	1930	1931	1932	1933
GROUP 3.—TEXTILES—Continued												
E. Flax, hemp, and ramie manufactures.												
F. Other vegetable fiber manufactures.												
Cordage, except of cotton or jute—												
Binder twine.....1,000 lbs.	61,289	22,817	10,996	10,026	11,906	6,016	1,378	523	526	262	102	105
Manila cordage.....do		4,465	3,936	2,026	1,151	1,372	9,430	5,900	4,600	4,385	1,014	650
Sisal or henequen cordage.....do	16 6,809	1,895	744	136	73	57	7,140	2,652	1,201	707	686	307
Other cordage.....do		492	339	190	108	156	16 1,206	202	87	16	147	172
Oakum.....do	1,761	2,012	1,602	1,069	565	332	144	91	65	26	7	6
Other vegetable fiber, straw, or grass manufactures.....do								171	136	82	15	29
											48	63
							990	1,925	2,427	3,240	111	74
I. Wool and mohair, unmanufactured.....1,000 lbs.	669	300	162	274	179	19	204	121	76	70	32	13
J. Wool manufactures.												
Wool semifinishes.....do	9,293	13,309	11,274	8,068	9,173	6,770	934	1,139	928	513	393	315
Wool rags.....do	8,580	12,544	10,526	7,595	8,781	6,306	641	906	615	382	308	261
Wool matts and waste.....do	1,774	706	599	401	324	483	1,138	144	142	48	31	42
Wool yarns.....do	1,118	59	149	72	68	11	1,229	89	169	83	54	13
K. Wool manufactures.												
Fabrics wholly or chiefly of wool—							6,708	4,497	4,023	2,494	893	1,061
Wool cloth and dress goods.....(1,000 lbs.)	938	328	278	188	56	47	1,869	621	507	300	77	74
Mohair cloth.....(1,000 yds.)	1,401	471	366	194	69	68						
Mohair cloth.....(1,000 lbs.)	1,97	60	41	25	17	30	1,216	173	145	106	30	35
Other wool fabrics.....(1,000 yds.)	1,184	107	70	41	26	30						
Other wool fabrics.....(1,000 lbs.)	1,112	49	42	18	9	15	1,156	76	61	26	9	20
Carpets and rugs of wool.....sq. yds.	179,338	115,071	90,106	36,545	18,021	32,741	1,234	439	292	154	51	83
Wool felts.....sq. yds.	1,408	271	186	73	30	32	1,519	348	217	109	47	45
Wool wearing apparel—												
Knitted bathing suits.....dozen		26,963	37,407	25,808	4,136	2,753	1,440	828	1,253	780	97	59
Other knit goods.....do								\$ 366	202	139	86	114
Men's and boys' overcoats, suits, pants, and children's wool clothing, 1,000 pieces.....do		148	88	54	20	47	1,412	601	440	282	94	141
Women's and children's wool clothing, 1,000 pieces.....do		50	47	43	40	49	1,012	414	393	285	167	213
Other wool or mohair manufactures.....1,000 lbs.	116,949	90,171	18,362	15,373	12,792	23,840	1,693	2,468	1,929	1,232	903	1,476
L. Hair and manufactures.												
Hair, unmanufactured—												
Cattle.....do	15,821	8,109	6,222	2,859	3,557	9,636	1,414	810	769	210	188	418
Other.....do		11,013	11,746	12,216	8,928	13,514		1,355	915	915	648	936
Hair manufactures.....do	1,428	1,049	394	298	237	691	279	302	184	127	97	122

No. 490.—EXPORTS OF UNITED STATES MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

Group and article	Quantity					Value in thousands of dollars					
	1921-1925	1926-1930	1930	1931	1932	1933	1921-1925	1926-1930	1930	1931	1932
GROUP 3.—TEXTILES—Continued											
P. Miscellaneous textile products.—Continued											
Corsets, brassieres, and girdles.....1,000 pieces	1 691	1 351 15,178	1 191 15,085	1 074 18,500	557 10,385	558 8,899	1,847	1,845 1,167	1,475 158	1,201 158	665 79
Pajamas, nightshirts, and gowns.....dozens											566 68
Hats of straw or fiber and materials											
Hat brad of straw or other fiber.....1,000 yds.	1 15,855	8,194	7,999	4,757	8,107	1,987	983	516	590	498	204
Hats of straw, palm leaf, etc.....1,000 hats	1 528	599	668	521	253	1,288	1 150	95	146	107	53
Hats and caps, except straw or other fiber							983	419	444	391	151
Men's and boys' fur-felt hats.....thousands	1 327	381	288	166	97	67	1,042	1,744	1,325	650	324
Women's and children's fur-felt hats.....do	1 205	64	61	62	22	31	1 374	189	155	130	45
Wool-felt hats.....do	1 1,828	271	186	145	68	89	1 135	289	244	146	52
Other hats and caps.....do		1,039	845	747	479	644		778	513	358	194
Hot trimmings, artificial flowers, etc.							723	373	220	167	87
Mattresses, cotton, kapok, moss, hair, rubber	1 12,472	25,248	29,870	15,984	9,464	6,009	1 109	173	243	97	52
Absorbent cotton, gauze, and sterilized band-											
ages.....1,000 lbs.	9 2,934	3,410	3,722	3,080	2,963	2,161	9 2,118	2,278	2,242	1,512	1,273
Elastic webbing.....1,000 yds.		1 31,681	27,545	19,175	15,815	10,286		1 1,273	1,032	675	379
Garters and arm bands.....1,000 doz. prs.	1 432	528	269	121	47	41	1 682	775	427	196	74
Suspenders and braces.....dozens	1 53,662	25,649	12,848	7,339	4,413	5,227	1 196	87	48	25	14
Other textile manufactures							1 2,097	2,730	1,754	1,900	1,153
GROUP 4.—WOOD AND PAPER											
Total							152,762	186,694	153,896	97,537	57,500
A. Wood unmanufactured											
Logs and hewn timber—							8,123	12,841	9,530	6,311	2,990
Hardwoods.....1,000 ft. b. m.	15,446	16,358	16,750	19,149	18,565	18,043	1,008	1,160	1,161	769	523
Ash and hickory.....do		4 931	6,670	3,508	3,566	2,702		295	393	183	184
Walnut.....do		1 1,580	984	387	246	332		356	284	151	65
Other hard woods.....do		10 3,365	9,096	15,264	14,733	15,009		547	484	435	258
Softwoods—											
Southern pine.....do		6 352	1,454	762	371	151		283	67	30	9
Douglas fir.....do		39 258	43,488	23,135	9,870	38,491		567	602	258	117
Cedar.....do		175 861	115,968	115,972	34,943	38,599	3,376	4,027	2,542	2,162	606
Hemlock.....do	109,275		63,477	63,477	54,767	54,044			638	470	476
Other soft woods.....do		98 625	127,866	43,916	18,967	19,034		1,371	1,771	449	188
Railroad ties.....thousands	2 702	3,637	1,664	2,132	1,093	2,013	2 978	3,323	1,641	1,367	573
Hardwood.....do	1 564	291	158	43	35	5	1 769	271	161	46	47
Softwood.....do	1 2,026	2,529	976	1,540	845	1,751	1 1,826	1,938	683	657	291
Crescoted or otherwise preserved.....do		817	530	549	213	257		1,114	707	694	235

	1,514	5,389	4,436	3,213	3,747	2,041	1,433	1,349	764	351	411	262
Piling.....1,000 lin. ft.	1,514	5,389	4,436	3,213	3,747	2,041	1,433	1,349	764	351	411	262
Telegraph, trolley, and electric-light poles	151,766	112,177	173,346	33,157	18,912	9,141	1,274	579	833	197	35	29
Firewood and other unmill'd.....1,000 cu. ft.	12,245	2,838	2,607	2,173	1,334	650	195	201	148	90	60	28
32,275							85,078	100,571	78,402	46,070	26,381	
4,980							14,748	17,685	12,684	7,510	4,392	
2,443							5,576	6,256	6,156	3,274	2,020	
2,362							8,839	10,150	6,807	3,861	2,077	
44							172	274	26	9	20	
8							333	616	334	58	35	
25							103	108	76	45	19	
13							223	217	217	66	85	
5							63	63	20	25	13	
27,244							69,165	82,171	65,262	37,265	21,874	
14,688							48,887	54,703	40,234	21,105	12,275	
14,179							13,856	16,157	12,790	7,366	3,505	
4,814							14,141	14,645	11,558	6,233	3,080	
4,327							33,045	1,512	1,204	1,133	425	
487							26,789	20,191	10,125	10,125	0,943	
7,800							23,936	23,932	17,760	8,908	6,985	
6,805							3,457	3,457	2,431	1,217	1,056	
1,056							2,534	1,958	1,556	916	683	
187							5,023	4,297	1,561	439	160	
103							14,185	8,219	1,512	347	311	
405							7,613	9,091	540	540	431	
302							3,013	3,729	2,076	1,091	354	
181							1,836	235	143	11	2	
7							20,279	27,467	25,027	16,182	9,589	
12,556							1,497	2,102	2,857	1,555	1,046	
1,441							1,562	489	320	174	65	
59							2,308	1,114	1,114	264	103	
85							2,308	2,700	2,318	1,433	842	
75							2,308	2,308	2,071	1,246	1,142	
1,442							1,318	387	375	187	156	
815							9,288	13,027	11,833	8,354	182	
237							1,799	2,174	1,067	972	610	
237												
6,563												
923												

Average for years 1929 and 1930

Average for years 1924 and 1925.

Average for years 1923-1925.

Average for years 1927-1930.

Average for years 1922-1925.

Average for years 1928-1930.

No. 490.—EXPORTS OF UNITED STATES MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921-1925	1926-1930	1930	1931	1932	1933	1921-1925	1926-1930	1930	1931	1932	1933
C. Wood manufactures.												
GROUP 4.—WOOD AND PAPER—Continued												
B. Wood, semimanufactures, etc.—Continued												
Boards, planks, and scantling—Continued.												
Hardwoods—Continued												
Walnut.....1,000 ft. b m	17,702	11,128	10,099	8,792	5,476	5,684	1,060	1,417	1,260	784	414	438
.....do	17,422	15,964	12,661	7,534	3,285	3,048	2,512	2,341	1,734	939	392	360
Mahogany.....do				4,551	3,866	7,600				187	167	207
Magnolia.....do		7,850	13,724	5,944	4,459	5,832		482	804	323	202	269
Wagon-oak planks.....do		4,032	5,770	6,728	4,984	6,600		436	621	651	261	463
Small dimension stock.....do		21,531	14,844	5,066	3,007	3,961	3,313	1,189	780	282	153	176
Other hardwoods.....do	38,241											
.....do				890			850	145	190	117	38	
Other sawed lumber.....do	17,258	5,541	4,109	2,424	11,387	10,164	1,188	263	102	46	21	14
Lath.....thousands	131,300	36,443	31,154	22,436	6,447	15,468	163	308	215	111	26	37
Shingles.....do	30,570	82,028	62,544	40,611								
Softwoods												
Cooperage.....do							30,846	38,937	29,849	19,177	9,764	11,576
Slaves.....thousands	59,746	74,549	55,968	38,943	29,988	31,817	8,666	9,373	6,713	4,136	2,354	2,831
Tight staves.....do	123,868	31,283	24,333	18,276	17,447	20,709	3,879	4,246	2,879	1,892	1,150	1,619
Slack staves.....do	142,112	43,266	34,635	20,667	12,541	11,108	1,206	3,635	2,444	1,574	1,043	1,517
Heading.....1,000 sets	13,835	3,733	3,138	2,237	1,603	1,219	1,742	612	435	218	107	102
Tight heading.....do		1,377	1,067	733	1,779	800	421	748	505	327	263	235
Slack heading.....do		2,355	2,071	1,504	824	419		554	440	240	221	266
Cooperage shooks.....do								194	155	87	47	30
Tight.....do	1,638	1,031	867	617	314	425	3,493	3,179	2,409	1,531	749	741
Slack.....do		693	288	428	161	154		426	175	237	80	73
Tight empty barrels, casks, hogsheads.....thousands	1360	333	255	139	58	56	873	774	565	249	107	102
Box shooks—												
Southern pine.....1,000 bd. ft.		13,037	12,474	10,172	7,079	1,740		627	571	433	237	58
Plywood.....do		59,233	42,151	14,351	5,537	2,084		1,721	1,222	410	142	43
Hemlock.....do	186,832	3,156	1,453	1,169	776	903	3,179	1,111	69	39	33	43
Spruce.....do		15,084	3,378	1,968	997	997		7,276	169	88	30	43
Gum.....do		21,868	18,344	10,934	3,006	1,306		1,009	871	440	84	43
Other.....do												
Veneers.....1,000 sq. ft.		79,805	78,297	54,335	32,634	23,363	1,669	2,087	1,928	1,147	557	461
Veneer packages for fruit and vegetables.....do	155,347							7,100	54	144	51	144
Plywood.....1,000 sq. ft.		27,059	37,891	33,531	31,736	68,114		1,200	1,542	1,085	755	1,500
Hardwood flooring.....1,000 ft. b. m	6,384	12,475	12,518	13,892	5,654	7,079	453	846	899	801	289	418
Doors.....thousands		1,914	1,806	1,957	1,010	2,062	1,643	3,411	3,027	2,719	1,023	2,015
Sash and blinds.....do		87	61	55	27	19		161	132	100	48	38
Trimings and moldings n e s.....1,000 lin. ft.		9,164	11,174	8,272	5,601	3,555	256	267	244	171	80	57
Other millwork and house fixtures.....do	4,644							300	320	160	52	44
Cane and reed manufactures, n e s.....do							1,429	239	111	56	35	

Furniture of wood—												
Chairs.....	thousands.....	172	126	74	33	27	721	682	569	244	132	107
Office furniture.....								257	165	77	37	44
Store fixtures.....							2,371	233	193	77	55	
School and church furniture.....								218	209	82	32	
Other wood, willow, and wicker furniture.....								2,131	2,190	965	356	401
Boat oars and paddles.....	number.....	81,681	77,785	33,872	20,415	21,721	202	184	159	82	48	47
Wagon and other vehicle stock.....								7,162	92	64	58	
Plow and similar bent handles.....	1,000 doz.....		9	6	9	3		825	731	545	271	203
Hoe, fork, shovel, broom, and other long handles.....	1,000 doz.....	702	880	711	361	413	2,009	1,332	941	540	296	395
Handles for striking tools.....	do.....	976	678	439	251	322		81,636	1,369	971	565	721
Pencil slats.....	1,000 lbs.....	813,214	12,011	9,798	6,492	8,870		404	618	567	318	317
Woodenware.....							988	7,636	4,772	3,108	1,788	1,458
Other wood manufactures.....							9,563	948	1,048	841	410	445
D. Cork manufactures.....							577	1,142	251	426	201	249
Disks, washers, and wafers.....	1,000 gross.....	6,661	11,359	14,391	7,533	9,425		1,108	162	154	90	50
Stoppers.....	1,000 lbs.....	432	286	94	68	57		1,802	532	463	281	159
Other cork manufactures.....	do.....	6,220	2,964	1,725	1,223	1,019						
E. Paper base stocks.....							3,704	4,178	3,719	2,707	3,862	68
Pulpwoods.....	cords.....	56,433	130,242	81,001	28,405	10,737	1,122	510	1,265	625	177	
Wood pulp—												
Sulphite wood pulp.....	tons of 2,240 lbs.....	27,556	31,226	44,457	40,944	68,807	1,744	1,541	1,671	2,251	1,963	3,049
Soda wood pulp.....	do.....	1,968	1,808	1,282	1,104	680		161	141	83	65	34
Other wood pulp.....	do.....	6,385	10,204	1,857	685	1,130		337	259	63	10	31
Resins and other paper stock.....	1,000 lbs.....	162,821	62,243	64,658	73,923	74,505	1,863	2,598	842	687	492	680
F. Paper and manufactures.....							24,435	30,330	30,303	22,419	15,928	14,599
Printing paper—												
Newsprint paper.....	1,000 lbs.....	39,352	20,408	19,305	16,928	22,297	1,087	1,213	812	605	448	457
Book paper, not coated.....	do.....	26,383	31,830	19,024	14,963	18,381	3,148	1,836	2,444	1,554	787	863
Cover paper.....	do.....	11,209	2,192	1,713	1,085	824	1,207	318	343	259	131	104
Grease proof and waterproof paper.....	do.....	1,1,605	3,805	4,634	4,195	4,718	193	469	742	975	872	763
Overstressed and old newspapers.....	do.....		171,312	208,113	209,151	143,608		1,335	1,539	1,539	1,473	1,060
Wrapping paper.....	do.....	27,928	44,248	28,613	19,260	24,374	2,170	2,559	2,759	1,629	1,283	1,250
Surface-coated paper.....	do.....	13,725	9,584	7,075	6,061	6,130	1,560	1,019	967	650	678	617
Tissue and crepe paper.....	do.....		4,761	4,762	2,979	3,676	1,281	1,030	919	906	593	544
Toilet paper.....	do.....		7,420	7,035	6,064	6,696		720	812	726	262	137
Paper towels and napkins.....	do.....	11,274	3,911	3,517	2,131	1,601	200	383	451	352	202	137
Boxboard of paperboard and strawboard.....	do.....	22,482	60,370	53,083	37,505	44,633	1,796	1,426	1,469	1,181	660	946
Brustols and bristol board.....	do.....	11,340	2,114	1,675	1,652	1,334	1,144	216	219	138	111	90
Other paper board.....	do.....	52,223	40,389	33,636	24,725	18,928	2,291	1,991	1,607	1,417	814	663
Sheeting and building paper.....	do.....	17,479	18,798	15,026	6,997	7,216	1,334	591	636	440	147	177
Fiber insulating lath or board.....	1,000 sq. ft.....	46,259	62,499	37,627	24,891	33,651		1,512	2,009	1,200	642	853
Wall board of paper or pulp.....	do.....	114,907	46,296	30,090	6,715	9,790	544	1,537	999	591	182	242
Blotting paper.....	1,000 lbs.....	2,186	3,497	3,115	1,552	1,583	926	414	379	211	117	145

Average for years 1923-1925.

Average for years 1929 and 1930.

Average for years 1922-1925.

Average for years 1927-1930.

Average for years 1928-1930.

No. 490.—EXPORTS OF UNITED STATES MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921-1925	1926-1930	1930	1931	1932	1933	1921-1925	1926-1930	1930	1931	1932	1933
GROUP 4.—WOOD AND PAPER—Continued												
F. Paper and manufactures—Continued.												
Filing folders, index cards, and other office forms.....	\$ 550	1,324	1,642	1,300	972	843	\$ 190	453	605	438	311	272
Paperettes (lancy writing paper).....		734	651	273	193	128		190	147	70	45	29
Other writing paper.....	15,926	10,705	21,064	14,665	12,529	13,527	1,719	2,283	2,070	1,369	859	884
Paper hangings (wall paper).....		13,227	3,227	2,363	766	781	555	465	288	380	64	64
Paper bags.....	110,930	11,049	11,280	11,894	8,571	10,948	975	940	893	827	485	530
Boxes and cartons.....	112,746	24,562	22,715	14,452	11,180	6,929	1,126	1,643	1,371	992	628	444
Envelopes.....	12,588	2,459	2,229	1,546	1,063	921	1,602	423	372	237	149	129
Vulcanized fiber sheets, strips, rods, and tubes.....		5,172	4,578	3,454	2,246	2,801	1,351	1,387	1,140	982	666	727
Cash-register and adding-machine paper do.	11,242	3,524	4,579	8,798	4,898	2,571	141	347	434	686	355	203
Other paper and paper products.....							4,994	5,000	4,273	3,147	2,112	1,570
GROUP 5.—NONMETALLIC MINERALS												
Total.....							532,352	706,964	641,522	373,914	277,834	270,320
A. Coal and related fuels.....1,000 tons of 2,240 lbs.												
Coal—	20,508	22,239	17,350	13,083	9,597	9,562	131,112	121,800	89,762	64,542	44,543	40,409
Anthracite.....	3,502	2,973	2,278	1,588	1,164	924	38,476	32,750	24,569	17,092	12,064	9,040
Bituminous.....	16,350	18,349	14,176	10,827	7,870	8,069	86,482	82,208	59,186	43,395	29,688	28,572
Fuel or bunker coal for vessels in foreign trade (not included in exports).....	4,903	4,553	3,182	1,960	1,204	1,175	51,538	29,126	15,697	9,639	6,534	6,241
Coke.....	655	916	896	673	563	589	6,154	6,743	6,067	4,085	2,701	2,707
B. Petroleum and products.....												
Petroleum, crude.....	13,330	20,002	23,704	25,535	27,391	36,584	405,052	524,864	494,339	270,000	203,381	200,016
Natural gasoline.....							22,487	30,226	32,153	20,825	27,106	31,879
Refined oils.....	76,454	119,700	122,168	91,009	69,348	61,419	363,586	464,733	438,195	232,294	168,139	151,269
Gasoline, naphtha, and other finished light products.....	21,100	52,154	63,195	43,787	33,823	25,996	152,051	244,577	250,647	109,301	79,081	57,520
Illuminating oil.....	20,446	19,945	16,690	12,534	10,867	8,764	85,381	84,049	63,325	34,706	23,732	19,209
Gas and distillate fuel oil.....	26,555	37,429	32,378	26,588	8,118	10,232	41,207	42,278	33,220	23,966	9,205	12,348
Residual fuel oil.....					9,713	8,223					6,877	5,902
Fuel or bunker oil for vessels in foreign trade (not included in exports).....	36,601	60,198	60,773	49,714	38,152	32,272	55,842	62,945	53,076	38,345	29,392	27,103
Lubricating oil.....	8,332	10,017	9,753	7,994	6,731	8,111	84,430	91,733	88,931	62,969	48,281	55,389
Red and pale.....	\$ 4,994	6,241	5,890	4,870	4,145	4,966	\$ 42,240	51,430	48,590	35,747	27,478	31,118
Black.....	\$ 1,075	833	958	4,478	519	4,194	\$ 6,214	3,393	2,435	1,046	1,736	1,736
Cylinder.....	\$ 2,892	2,943	2,875	2,489	2,108	2,626	\$ 35,831	36,103	36,448	24,804	16,155	22,634
Mineral spirits (substitute for turpentine).....	\$ 24	55	55	51	45	57	\$ 337	495	465	408	277	327

Insulating or transformer oils.....do.....	89	81	43	47	32	1,042	918	502	411	327
Light lubricating oils in small packages.....do.....	14	16	7	4	4	560	689	334	185	186
Lubricating greases.....do.....	104,129	99,273	74,081	64,708	73,362	5,523	5,405	3,542	2,788	2,954
Paraffin wax.....do.....	336,174	292,663	260,484	255,264	248,274	15,077	10,480	8,425	6,267	6,970
Unrefined.....do.....	78,695	82,961	90,581	77,608	96,906	2,935	2,382	2,132	1,709	2,352
Refined.....do.....	257,478	209,721	199,903	167,659	151,367	12,143	8,128	6,293	4,558	4,627
Petroleum asphalt.....do.....	341,746	366,419	257,231	183,934	182,171	7,472	7,277	4,941	3,168	2,861
Petroleum coke.....do.....	102,335	88,088	40,979	79,777	169,991	1,045	768	395	380	580
Residuum, including road oil.....do.....	131	23	21			325	61	76		
1,000 bbls. of 42 gals.						403				
C. Stone, sand, cement, and lime.										
Marble in blocks, rough or dressed.....cu. ft.....	159,498	84,550	32,443	30,691	11,585	5,587	5,318	2,792	1,532	1,934
Roofing slate.....squares.....	18,363	5,278	4,174	1,792	1,155	82	64	45	12	7
Other building or monumental stone.....do.....	1918	731	284	73	30	388	594	209	76	36
1,000 cu. ft.						1,017	1,067	628	274	215
Other manufactures of stone.....do.....	1368	288	105	86	74	637	570	418	212	55
Sand and gravel.....do.....	1,042	851	430	375	680	3,209	2,854	1,221	802	1,488
Cement, hydraulic.....do.....	110	157	119	36	37	166	192	130	56	58
Lime.....do.....						10,053	9,642	8,897	4,067	4,305
D. Glass and glass products.										
Plate and window glass.....do.....										
Window glass, common.....box, 50 sq. ft.....	41,496	15,544	8,486	2,520		116	84	41	15	
Plate glass unsilvered.....do.....	2,098	3,361	3,708	2,925		832	1,036	1,115	813	1,170
Other window and plate glass.....do.....	12,481	5,138	2,859	991		420	443	294	130	164
Glass containers (bottles, vials, and jars).....do.....										
Table glassware, plain.....do.....						3,245	2,962	2,087	1,106	1,116
Table and other glassware, cut or engraved.....do.....						1,808	1,201	877	483	405
Lamp chimneys and lantern globes.....do.....						182	136	80	36	19
Globes and shades for lighting fixtures.....do.....						1,345	218	83	54	54
Chemical glassware.....do.....						1,451	637	410	203	154
Glass electric insulators.....do.....						190	231	152	109	116
Other glassware.....do.....						1,217	358	86	42	38
						2,863	1,997	1,672	1,076	1,079
E. Clays and clay products.										
Clays.....do.....						7,224	9,857	6,364	3,333	3,803
Fire clay.....do.....										
Other clays.....do.....										
Pottery.....do.....										
China and porcelain ware.....do.....										
Table, toilet, or kitchen ware.....do.....										
Electrical porcelain.....do.....										
For less than 6,600 volts.....do.....										
For 6,600 volts and over.....do.....										
Other china and porcelain ware.....do.....										
Water-closet sets.....do.....										
Other earthenware plumbing fixtures.....do.....										

1 Average for years 1922-1925. 2 1930 only. 3 Average for years 1923-1925. 4 Average for years 1924 and 1925. 5 1925 only. 6 Of 376 pounds. 7 Of 200 pounds.

No. 490.—EXPORTS OF UNITED STATES MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

Group and article	Quantity					Value in thousands of dollars					
	1921-1925	1926-1930	1930	1931	1932	1933	1921-1925	1926-1930	1930	1931	1932
GROUP B.—NONMETALLIC MINERALS—Continued											
Z. Clays and clay products—Continued.											
Pottery—Continued.											
Other earthen, stone, and crockery ware.											
Crucibles, clay and graphite.....1,000 pieces	1 444	542	489	350			1 063	846	831	216	96
Bricks and tiles—							1 103	119	104	66	
Fire-clay bricks.....thousands	31, 272	27, 937	25, 337	17, 526	7, 551	8, 928	1, 358	825	881	832	465
Other refractory bricks.....do	18, 994	15, 376	10, 951	4, 759	2, 951	4, 122	1 788	1 443	1 121	491	254
Refractory shapes.....1,000 lbs	1 23, 940	58, 330	80, 623	15, 687	8, 537	11, 222	1 557	1 264	1 672	476	295
Building bricks and hollow tile.....thousands	11, 226	14, 211	16, 400	11, 691	1, 812	624	290	320	311	399	48
Wall and floor tiles.....1,000 sq ft	16, 061	3, 243	1, 379	780	336	924	475	430	556	276	96
High-temperature cements.....1,000 lbs		5, 265	5, 681	4, 695	3, 240	3, 260		1 188	216	246	127
Other terra-cotta and ceramic manufactures.							172	81	136	263	64
F. Precious stones, including pearls.							23, 317	35, 349	32, 582	22, 776	15, 975
G. Other nonmetallic minerals.							4, 080	7, 788	6, 966	4, 583	2, 834
Abrasives.							203	246	203	115	64
Wheels of emery and corundum.....1,000 lbs	1 1, 665	704	479	286	155	498	419	431	247	105	86
Grindstones.....do	1 10, 734	9, 416	4, 986	2, 405	3, 078	2, 885					
Other natural abrasives, hones, wheelstones, etc.....1,000 lbs											
Artificial abrasives, crude or in grains. do		8, 630	8, 216	6, 976	5, 371	7, 120		396	361	232	147
Wheels of artificial abrasives.....do		14, 650	15, 098	13, 232	6, 961	13, 386		940	930	912	547
Abrasive paper and cloth.....1,000 reams		5, 530	4, 738	3, 296	1, 816	1, 533		1 092	1 720	1 26	63
Other artificial abrasives.....1,000 lbs		1 280	1 246	1 110	88	100	3, 831	2 947	2 757	1 263	662
Asbestos—											
Unmanufactured.....tons of 2,240 lbs	706	688	688	1, 530	1, 524	1, 230	73	137	95	122	95
Paper, millboard, and roll board.....1,000 lbs	1 2, 548	1, 722	1, 917	1, 269	587	579	1 139	141	153	126	61
Pipe covering and cement.....do	1 4, 622	5, 519	6, 066	2, 100	2, 453	1, 819	1 304	331	427	120	136
Textiles, yarn, and packing.....do	1 1, 068	1, 655	1, 754	1, 271	904	1, 036	1 089	990	949	662	431
Brake lining.....1,000 lin. ft		14, 379	6, 717				17 853	1 147	1 372	1 140	696
Other manufactures except roofing.....1,000 lbs	1 2, 831	3, 570	4, 777	2, 393	1, 294	1, 677	1 039	413	445	248	134
Asphalt and bitumen, natural—											
Unmanufactured.....tons of 2,240 lbs	46, 664	31, 157	20, 679	16, 944	11, 040	12, 327	1 219	877	629	531	449
Manufactures, except roofing.....1,000 lbs.	1 63, 930	53, 289	53, 668	29, 686	15, 368	13, 317	957	1 079	1 120	579	318
Carbons and electrodes—											
Electrodes for electric furnaces.....do	17 12, 203	14, 976	15, 885	11, 177	9, 515	15, 165	17 1, 214	1 980	2 057	1 427	1 029
Other carbon products.....do	1 25, 647	17, 150	5, 912	3, 900			1 766	993	660	542	380
Chalk manufactures.....do	1 1, 283	1 502	1 074	965	665	717	205	202	135	123	74
Gypsum—											
Crude, crushed, or ground.....tons of 2,240 lbs		1 3, 035	3, 217	4 020	3 196	3 370		7 26	23	38	19
Plaster board and wall board.....1,000 sq ft		11 1, 969	16, 678	6 357	1 952	1 647		1 380	431	158	46
Plaster, calcined, and manufactures, n.e.s.											
Mica and manufactures.....do	1 1, 720	43, 439	40, 016	13, 547	2 078	3 110	472	508	308	107	72
		3, 935	4, 733	5, 239	3 059	3 126	167	232	263	233	133

Sulphur—	471, 063	699, 967	593, 312	407, 586	352, 610	572, 515	7, 504	14, 312	12, 416	8, 937	7, 170	9, 878
Sulphur or brimstone..... tons of 2,240 lbs.	15, 114	32, 679	35, 870	27, 188	16, 285	19, 629	1, 120	588	556	432	296	317
Refined, sublimed, and flowers..... 1,000 lbs.	14, 402	6, 214	2, 905	2, 905	1, 220	1, 390	1, 220	367	454	201	91	92
Magnesia and manufactures..... do.	208, 042	255, 134	140, 956	107, 420	127, 102	210, 355	1, 313	1, 104	716	775	478	627
Salt..... do.	13, 726	3, 734	3, 113	2, 376	1, 580	1, 828	491	438	418	249	173	183
Graphite, crude, refined, and manufactures..... 1,000 lbs.							1, 491	1, 570	1, 887	1, 428	881	1, 130
Other nonmetallic mineral products.....												
GROUP 6.—METALS AND MANUFACTURES, EXCEPT MACHINERY AND VEHICLES												
Total.....	677	1, 021	752	436	83	155	2, 994	463, 765	356, 751	180, 903	84, 769	107, 396
A. Iron ore..... 1,000 tons of 2,240 lbs.												
B. Iron and steel manufactures.....												
Pig iron, not containing alloys..... tons of 2,240 lbs.												
Iron and steel scrap (including tin-plate scrap)..... tons of 2,240 lbs.	32, 929	44, 132	13, 671	6, 719	2, 324	2, 750	823	808	292	151	54	64
Steel ingots, blooms, billets, slabs, and sheet bars..... tons of 2,240 lbs.	69, 735	355, 178	358, 649	136, 125	227, 522	773, 406	1, 104	5, 097	5, 562	1, 957	1, 859	6, 574
Iron and steel bars and rods..... 1,000 lbs.	8, 463	20, 771	17, 032	7, 905	1, 627	3, 159	429	846	733	332	64	114
Iron bars.....												
Steel bars.....	352, 528	9, 932	4, 082	2, 278	1, 331	1, 509	11, 065	7, 969	4, 089	2, 329	827	55
Alloy steel bars.....	21, 318	301, 215	181, 640	95, 229	34, 428	49, 842	1, 179	1, 179	911	499	251	1, 131
Wire rods..... do.	62, 816	70, 078	89, 105	71, 969	33, 192	37, 803	1, 445	1, 518	1, 876	1, 297	583	908
Iron and steel plates, sheets, skelp, and strips—												
Boiler plate..... 1,000 lbs.	332, 532	24, 488	15, 700	1, 119	1, 432	1, 851	9, 297	508	332	32	46	40
Other plates, not fabricated..... do.	1207, 595	307, 326	204, 569	94, 019	21, 228	28, 961	14, 210	7, 073	4, 527	1, 878	478	592
Skelp iron or steel..... do.	245, 762	254, 483	283, 547	126, 555	62, 102	82, 024	11, 825	4, 844	5, 193	2, 869	910	822
Iron or steel sheets, galvanized..... do.												
Steel sheets, galvanized..... do.												
Steel sheets, black..... do.	354, 650	195, 369	195, 369	105, 861	57, 146	118, 032		7, 986	7, 986	3, 763	1, 814	3, 556
Iron sheets, black..... do.	28, 691	355, 851	308, 933	205, 600	85, 742	83, 055	13, 932	12, 922	10, 343	6, 918	2, 844	2, 465
Strip steel, cold rolled..... do.	121, 492	32, 284	23, 491	19, 930	12, 450	17, 992	1, 914	1, 258	1, 600	740	500	624
Hoop, band, and scroll iron or steel..... do.	58, 119	83, 449	64, 575	43, 307	27, 371	27, 388	2, 134	2, 402	1, 713	1, 095	627	693
Tin plate, terneplate, and tagger's tin..... do.	282, 790	550, 945	484, 597	189, 131	88, 710	215, 335	15, 635	27, 388	24, 292	7, 841	3, 273	7, 650
C. Steel-mill products—Manufactures.....												
Structural iron and steel—												
Waler, oil, gas, and other tanks complete, and knocked down material for..... 1,000 lbs.		145, 898	45, 898	27, 848	6, 837	6, 896						
Structural shapes—												
Not fabricated..... tons of 2,240 lbs.	188, 362	187, 406	140, 415	88, 710	14, 885	14, 889	11, 319	8, 376	6, 234	3, 437	590	535
Fabricated..... do.		44, 727	57, 607	24, 862	8, 639	13, 893		4, 169	5, 525	2, 527	629	940
Ship and tank plates, punched or shaped..... 1,000 lbs.	15, 494	12, 875	12, 608	3, 415	2, 400	3, 137	533	381	317	84	64	82
Metal lath..... do.	5, 409	11, 394	12, 497	5, 393	3, 294	2, 254	419	800	848	350	183	135
Other structural shapes..... do.	1, 112, 974	90, 833	90, 136	12, 869	16, 947	6, 820	14, 694	3, 407	3, 304	358	336	184

1 Average for years 1922-1925. 1 Average for years 1929 and 1930
 2 Average for years 1927-1930. 2 Includes "crude, crushed, or ground" prior to Jan. 1, 1928

No. 490.—EXPORTS OF UNITED STATES MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

Group and article	Quantity					Value in thousands of dollars						
	1921-1925	1924-1926	1926	1927	1928	1929-1930	1930	1931	1932	1933	1933	1933
GROUP 6.—METALS AND MANUFACTURES—Con.												
C. Steel-mill products—Manufactures—Continued.												
Railway track material—												
Rails..... tons of 2,240 lbs.	245,301	150,463	33,108	95,179	11,320	41,481	3,550	1,280	428	1,227		
60 pounds and over per yard..... do.	203,435	141,336	25,337	75,855	10,408	37,620	2,836	1,008	305	1,105		
Less than 60 pounds per yard..... do.	22,656	18,126	7,751	19,324	912	3,852	654	281	33	122		
Other railway material—												
Rail joints, splice bars, fishplates, and tie-plates..... do.	48,880	48,880	10,970	26,007	4,410	20,446	935	378	121	478		
Switches, frogs, and crossings..... do.	13,163	13,163	2,833	7,575	1,662	5,319	1,020	270	96	94		
Railroad spikes..... do.	18,086	9,701	2,595	6,127	1,554	5,319	303	74	39	192		
Railroad bolts, nuts, washers, and nut locks..... do.	15,187	4,525	1,722	3,937	752	2,802	284	155	43	174		
Other products and fittings—												
Boiler tubes..... do.	13,070	38,577	15,836	32,866	8,237	8,778	2,149	885	567	483		
Casing and oil line pipe..... do.		284,563	136,110	40,221	38,694	87,820	10,377	2,469	1,792	3,431		
Seamless black pipe, other than casing and oil-line..... do.	499,525	184,237	76,852	127,838	1,340	3,151	26,145		95	195		
Welded black pipe..... do.		89,705	58,528	81,375	33,163	34,228	5,449	2,806	1,157	1,017		
Malleable iron screwed pipe fittings..... do.		25,006	10,102	5,938	36,024	45,823	3,863	3,620	1,306	1,477		
Cast-iron screwed pipe fittings..... do.		20,564	4,797	1,684	3,769	5,600	3,343	1,401	485	666		
Cast-iron pressure pipe and fittings..... do.	73,861	27,299	20,108	25,503	10,580	14,834	1,725	527	181	246		
Cast-iron soil pipe and fittings..... do.		30,243	13,550	31,438	6,586	8,195	1,173	654	218	323		
Riveted steel or iron pipe and fittings..... do.					363	315	1,019	481	192	232		
Wire and manufactures—												
Plain iron or steel wire..... do.	155,619	37,009	13,171	25,469	9,600	21,397	1,634	581	385	569		
Galvanized wire..... do.	146,069	45,820	18,548	33,814	9,198	27,702	1,315	463	212	639		
Barbed wire..... do.	17,816	115,235	48,063	78,811	37,524	65,060	3,310	1,049	791	1,508		
Woven-wire fencing..... do.	13,904	10,678	5,938	8,812	2,220	2,025	586	282	104	90		
Wire rope..... do.	11,732	4,200	3,547	5,004	1,419	1,619	685	298	199	215		
Insulated iron or steel wire and cable..... do.	13,091	11,732	5,604	5,604	3,525	4,461	1,505	666	410	508		
Other wire and manufactures..... do.	128,030	1,559	673	10,392	4,657	6,382	2,259	108	28	7		
Nails and bolts (except railroad)—												
Cut nails..... do.	4,769	2,189	307	1,059	354	193	95	16	21	509		
Wire nails..... do.	71,955	25,866	19,797	18,975	10,912	22,958	801	485	370	569		
Horseshoe nails..... do.	2,193	2,193	1,386	1,386	1,515	1,326	244	181	147	160		
Tacks (except thumb tacks)..... do.	13,162	1,643	1,004	1,218	880	996	231	143	101	117		
Other nails, including staples..... do.		12,957	9,401	5,635	4,337	6,561	993	301	174	224		
Bolts, machine screws, nuts, rivets, and washers, except railroad..... do.	42,973	29,163	22,693	10,876	6,081	8,244	2,476	1,049	625	809		
Castings and forgings..... do.	131,338	22,405	14,811	9,693	7,610	9,418	1,436	689	374	422		
Steel castings..... do.		19,928	21,007	6,932	2,629	2,140	2,289	743	290	206		

Car wheels and axles.....do.....	144,862	38,885	33,238	14,149	6,462	8,884	2,000	1,354	1,140	210	239
Horseshoes.....do.....	1,893	1,041	405	342	225	323	132	73	32	14	23
Iron and steel forgings n. e. s.....do.....	1,517	17,811	18,969	16,582	8,264	7,052	515	1,459	1,420	521	424
D. Iron and steel, advanced manufactures.											
Cutlery.....											
Razors safety.....1,000 doz.....	7,471	374	147	212	43	39	7,286	78,177	65,533	37,112	19,780
Safety-razor blades.....do.....	10,690	7,922	4,449	3,986	2,300	2,300	4,774	6,682	4,554	306	67
Scissors and shears.....dozens.....	178,353	31,112	21,148	14,334	5,197	6,182	1,933	6,818	4,756	1,593	788
Table and kitchen cutlery.....1,000 doz.....	1,496	397	265	117	60	102	773	583	400	172	49
Other cutlery and parts.....							1,523	1,325	1,112	759	108
Hollow ware.....										689	921
Tin and galvanized hollow ware.....1,000 lbs.....		6,495	6,135	4,326	2,229	2,997	1,606	892	780	486	233
Tin cans, finished or unfinished.....do.....	111,723	10,061	13,162	7,507	5,897	5,015		1,103	1,524	909	572
Enameled ware of iron or steel.....											
Bathtubs.....number.....	18,080	18,427	14,870	5,914	3,381	4,981	557	641	528	189	124
Lavatories, sinks, and other plumbing fixtures.....number.....	148,899	52,164	39,907	26,605	17,709	21,723	632	601	464	262	141
Enameled household ware.....number.....	13,999	2,814	2,562	1,619	638	501	1,017	549	472	275	84
Metal furniture and fixtures.....1,000 lbs.....											
Filing cases.....number.....	128,684	58,295	73,148	23,644	10,570	12,057	11,005	1,974	2,397	613	249
Sales and cabinets, fire and burglar proof.....number.....	6,683	18,236	5,623	9,554	4,745	2,983	694	976	400	572	273
Bank and safety deposit vaults and equipment.....											
Other office furniture and fixtures.....											
Metal beds and bed springs.....number.....											
Other metal furniture.....											
Stores and furnaces, except electric.....											
Coal and wood cooking stoves and ranges.....number.....											
Heating stoves and warm-air furnaces.....do.....	12,073	7,707	3,611	2,090	1,601	1,601		318	204	84	44
Gas stoves, ranges, and water heaters.....do.....	14,716	16,276	7,286	1,461	443	443		286	119	30	11
Kerosene cooking stoves and ranges.....do.....	43,061	38,345	17,837	8,392	6,235	6,235		857	307	124	101
Gasoline cooking stoves and ranges.....do.....	141,164	113,208	82,408	33,449	19,873	19,873		1,342	1,038	747	296
Parts of stoves and ranges.....1,000 lbs.....	4,525	16,079	10,114	5,282	4,405	4,405		965	1,190	90	34
House-heating boilers and radiators.....1,000 sq. ft.....	7,497	3,537	1,710					868	868	747	470
Oil burners and parts.....											
Tools.....											
Axes (broad and hand).....1,000 doz.....	99	53	24	19	49	49		1,644	1,521	247	152
Hack-saw blades.....1,000 gross.....	253	230	180	117	149	149		1,796	1,521	1,090	1,140
Shelf and hardware saws.....thousands.....	476	338	274	180	375	375		1,980	1,686	86	53
Other saws, except hack saws.....dozens.....	83,277	63,056	37,976	11,483	15,830	15,830		271	200	124	36
Augers and bits, woodworking.....dozens.....	2,261	1,793	1,438	1,069	9	9		2,678	2,046	1,626	940
Files and rasps.....1,000 doz.....	1,098	65	43	21	18	18		413	210	100	41
Hammer and hatchets.....do.....	1,59	247	126	111	162	162		333	218	113	55
Hand hoes and rakes.....thousands.....	1,379	319	22	14	8	8		353	218	113	68
Shovels and spades.....1,000 doz.....	1,48	84	22	14	8	8		247	203	39	24
Vises #.....thousands.....	116	88	27	14	7	7		203	128	39	24

¹ Average for years 1921 and 1925
² Vises and clamps prior to Jan. 1, 1928.

¹ Average for years 1928-1930
² Average for years 1927-1930.

¹ Average for years 1922-1925.
² Average for years 1929 and 1930.

No. 490.—EXPORTS OF UNITED STATES MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

Group and article	Quantity					Value in thousands of dollars						
	1921-1925	1926-1930	1930	1931	1932	1933	1921-1925	1926-1930	1930	1931	1932	1933
GROUP 6.—METALS AND MANUFACTURES—Contd.												
D. Iron and steel, etc.—Continued.												
Tools—Continued.												
Automotive wrenches.....								\$ 315	264	173	101	117
Other wrenches (except automotive).....								\$ 879	651	349	157	208
Drills and reamers.....								\$ 757	841	510	142	208
Taps, dies, screw plates, and pipe stocks.....								\$ 1,559	1,813	455	226	269
Mechanics and other hand tools, n. e. s.....								\$ 2,989	5,612	3,113	1,287	1,540
Hardware.												
Padlocks.....		199	129	73	30	38	8,495	8,454	7,294	4,074	1,939	1,900
Door locks and lock sets.....		64	56	37	19	23	2,035	487	356	216	91	100
Cabinet and other locks.....		164	116	82	40	38	343	540	339	170	144	144
Hinges and butts, iron or steel.....		594	277	145	71	65	1,914	343	286	191	95	72
Other builders' hardware.....							1,801	533	353	188	89	78
Furniture hardware.....							1,801	1,071	1,411	925	426	417
Saddlery and harness hardware.....							1,355	404	355	205	73	84
Car and marine hardware.....							1,332	194	105	71	54	50
Other hardware.....							1,212	240	289	83	40	38
Needles, hand and machine.....	1 64,868	63,120	44,042	47,293	39,085	20,558	18,013	4,042	3,612	1,856	901	917
Sprocket and other power transmission chains.....	1 12,977	5,710	4,695	2,502	1,588	1,967	544	760	642	569	429	310
Other chains.....		9,627	6,933	3,705	1,546	2,064	2,256	1,265	1,121	687	413	486
Automatic scales (except coin operated).....	1 112,934	12,935	11,096	7,022	10,301	10,330	2,256	1,278	890	468	187	211
Other scales and balances n. e. s.....		115,384	99,243	50,032	31,165	51,222	2,049	942	751	551	194	245
Wood screws.....	7,965	7,427	6,298	4,016	986	444	1,196	1,243	1,015	415	192	227
Other iron and steel manufactures.....							19,255	807	672	487	158	73
E. Ferro-alloys.												
Ferromanganese and speigeleisen.....	3,008	3,907	6,139	1,306	33	47	489	942	940	1,447	717	2,932
.....tons of 2,240 lbs.....												
Ferrotungsten, tungsten metal, and wire.....	1 6,050	39,795	29,979	1,087,754	140,783	853,912	118	109	146	39	2	3
.....pounds.....	2 4,848	8,874	12,266	15,527	10,121	18,131	106	198	222	624	173	461
Other ferro-alloying ores and metals.....							286	635	572	784	542	2,468
F. Nonferrous metals, except precious.												
Aluminum.												
Bauxite and other ores and concentrates.....	51,969	112,133	104,594	83,370	28,474	21,760	173,483	205,701	145,825	75,347	33,210	36,946
Ingots, scrap, and alloys.....	3,049	1,545	1,545	1,511	3,905	5,515	6,538	11,640	10,898	6,164	2,615	1,975
Plates, sheets, bars, strips, and rods.....	3,165	12,905	16,722	3,190	3,532	193	2,589	5,091	3,777	3,309	1,162	646
Tubes, moldings, castings, and other shapes.....	1 1,079	1,796	1,864	1,232	839	454	1,015	3,152	3,831	853	151	61
.....1,000 lbs.....							1 644	681	569	552	337	160

[illegible]

1 Average for years 1927-1930.
2 Average for years 1929 and 1930.
3 Average for years 1923-1925.
4 Average for years 1929 and 1930.
5 Average for years 1927-1930.
6 Less than 500.
7a Less than 500.

²⁴ Prior to 1925 data are "scrap and old fit only for manufacture."

17 1925 only.

No. 490.—EXPORTS OF UNITED STATES MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921-1925	1926-1930	1930	1931	1932	1933	1921-1925	1926-1930	1930	1931	1932	1933
GROUP 6.—METALS AND MANUFACTURES—Contd.												
F. Nonferrous metals, except precious—Continued.												
Nickel silver, or German silver in bars, rods, or sheets.....1,000 lbs.	1,407	1,307	1,122	410	227	330	187	318	244	72	43	58
Babbitt metal.....do.	1,239	1,646	1,291	1,005	752	824	342	523	335	214	151	225
Nickel chrome electric resistance wire.....do.				1,176	230	263				253	251	285
Other metal and alloys.....do.	1,388	5,474	7,208	7,223	6,145	7,741	1,560	1,326	1,604	1,082	921	1,216
Plated ware, other than gold or silver.....do.							888	952	767	403	170	170
Type.....1,000 lbs.	585	665	611	240	165	91	337	363	269	121	67	50
Other metal and metal composition manufactures, n. e. s.....do.							3,490	3,887	3,599	1,639	687	690
G. Precious metals, jewelry, and plated ware, except gold and silver in ore, bullion, and coin.												
Platinum—												
Ingots, sheets, wire, alloys, and scrap.....ozs. (troy)	5,593	8,830	1,037	1,209	20,106	23,686	589	741	62	41	665	609
Manufactures, except jewelry.....do.	1,481	1,568	769	1,190	2,032	1,323	115	121	41	48	107	57
Jewelry.....do.							827	1,204	1,065	855	372	362
Gold and silver ware, except cutlery and jewelry—												
Silver plated—												
Tableware.....do.							946		104	75	74	143
Other articles.....do.									188	189	67	
Gold-plated articles.....do.									347	175	105	
Gold manufactures, n. e. s.....do.									1,204	861	650	142
Silver manufactures, n. e. s.....do.							662	276	205	99	112	54
GROUP 7.—MACHINERY AND VEHICLES												
Total.....							531,392	934,645	830,076	464,536	921,745	236,739
A. Electrical machinery and apparatus.												
Generators—							68,838	102,711	116,554	63,941	43,039	43,580
Direct current—												
Under 500 kilowatts.....number	3,367	2,804	2,804	889	203	167						
500 kilowatts and over.....do.	80	37	37	7	2							
Alternating current—												
Under 2,000 kilovolt-amperes.....do.	1,8462	308	260	234	100	97	4,149	1,021	744	288	50	62
2,000 kilovolt-amperes and over.....do.		24	23	12	6	9		611	462	187	15	
Steam turbine generator sets.....do.		1,008	1,361	168	103	49						
Accessories and parts for generators.....do.	444											
Arc welding sets.....number		424	424	403	235	212						
Self-contained lighting outfits.....do.	12,764	4,035	2,667	1,341	424	596	1,727	1,129	846	339	115	137

Batteries—																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				</
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* Average for years 1922-1925.

* Average for years 1924 and 1925.

* Average for years 1928-1930.

* Average for years 1922-1925.

* 1890 only.

No. 490.—EXPORTS OF UNITED STATES MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921-1925	1926-1930	1930	1931	1932	1933	1921-1925	1926-1930	1930	1931	1932	1933
GROUP 7.—MACHINERY AND VEHICLES—Continued												
B. Industrial machinery—Continued.												
Construction and conveying machinery—Con.												
Dredging machinery.....	1 861	1 724	1 296	402	82	50	1 598	924	1 101	772	424	176
Concrete mixers.....							629	1 044	844	251	73	36
Road rollers.....				57	11	18		379	309	137	17	57
Road graders.....		935	935	304	109	95	980	2 241	1 047	344	88	111
Other road-making equipment.....									1 897	750	191	225
Other construction equipment.....							1 888	1 005	818	428	168	116
Cranes with swinging booms.....	1 233	108	138	38	7	13	1 108	1 259	1 420	546	22	109
Other cranes.....		278	246	70	22	29			22	52	73	67
Other cranes.....			92	50	7	12			1 329	499	195	143
Mono-rail hoists.....			6 994	3 575	557	690	1 886	1 556	300	37	24	13
Other hoists.....	1 470	7 895	161	16	109	125	2 969	1 114	952	603	357	190
Derricks, except mining.....		625	470	199	109	125		1 513	588	283	89	55
Elevators, freight and passenger.....		1 389	913	561	117	120		3 402	3 370	2 351	717	747
Conveyors, bucket, chain, or belt.....												
Other conveying equipment.....							24 763	48 778	48 549	25 266	10 586	13 504
Mining, well, and pumping machinery.												
Mining and quarrying machinery—												
Coal cutters.....	978	137	111	83	33	29	9 206	493	436	249	114	89
Rock drills.....	6 108	10 569	8 684	5 686	3 301	3 849	11 065	1 829	1 478	864	506	653
Mine hoists and derricks.....	1 228	966	1 285	886	266	337	1 248	702	815	838	171	221
Ore crushing and sorting.....							1 768	3 729	4 094	2 463	1 030	983
Concentrating and smelting.....							1 442	970	1 085	936	142	177
Other mining and quarrying.....							6 058	7 445	7 876	4 881	2 118	2 332
Well and refinery machinery—												
Oil and gas well-drilling apparatus.....							7 762	8 719	9 627	3 557	1 680	2 602
Other oil-well and oil-refinery.....								1 049	13 196	6 772	2 741	4 222
Other well-drilling apparatus.....									995	323	84	112
Pumping equipment—												
Centrifugal pumps.....		4 709	5 252	2 980	1 527	1 701		1 351	1 554	807	441	440
Steam pumps.....		6 445	4 807	2 187	887	910		1 688	1 486	682	226	183
Other reciprocating power pumps.....		20 168	18 423	9 284	6 698	7 916	8 038	2 658	2 306	1 358	507	523
Hand and windmill pumps.....		86 975	54 099	24 257	14 748	19 440		739	739	174	93	102
Other pumps and parts of pumps.....								2 712	3 077	1 352	713	775
Power-driven metal-working machinery.												
Engine lathes.....		747	1 053	496	187	230	13 814	26 211	35 490	36 084	12 024	8 158
Turret lathes.....	1 059	359	404	226	42	117	1 726	1 586	2 206	1 718	651	360
Other lathes.....		702	657	634	281	224		1 018	1 402	715	93	206
								1 298	1 241	1 592	430	169

Vertical boring mills and chucking machinery..... number	172	315	225	66	46	392	684	953	404	114
Thread-cutting and automatic screw machines..... number	852	660	254	138	257	1,073	969	511	261	366
Knee and column type milling machines..... number	324	314	151	125	115	1,778	894	603	325	262
Other milling machines..... do	580	679	452	172	191	1,359	2,180	1,763	694	421
Gear-cutting machines..... do	367	308	380	149	253	1,390	962	1,603	679	607
Vertical drilling machines..... do	408	456	321	92	285	415	575	686	158	158
Radial drilling machines..... do	119	156	116	52	25	275	334	256	118	69
Other drilling machines..... do	1,025	1,544	1,612	467	1,017	646	1,128	1,637	527	297
Planers and shapers..... do	435	522	304	85	62	723	964	808	194	104
Grinding machines—										
Surface..... do	231	174	171	63	105	324	321	515	131	206
External cylindrical..... do	669	609	401	132	109	1,589	1,357	1,397	349	291
Internal..... do	390	311	248	113	89	1,931	967	1,032	375	227
Tool grinding, cutter grinding, and universal..... do	1,054	1,568	789	348	454	525	753	605	283	273
Other metal-grinding machines..... do						805	1,106	1,177	549	255
Sheet and plate metal-working machines..... do						2,702	4,619	5,555	2,164	892
Forging machinery..... do						1,347	1,847	3,984	811	342
Rolling-mill machinery..... do						885	1,187	1,390	426	354
Foundry and molding equipment..... do						1,785	3,589	2,284	343	448
Other power-driven metal-working machinery and parts..... do						8,367	6,204	5,290	2,089	1,735
Other metal-working machinery..... do						18,127	3,868	4,002	1,844	1,211
Pneumatic portable tools..... number	12,254	18,511	9,672	4,762	4,525	18,133	1,479	783	350	282
Other portable and hand or foot operated metal-working machines and parts..... do						9,074	990	558	387	327
Chucks for machine tools..... number	23,782	21,441	9,074	5,813	9,927	239	214	129	38	57
Machine-operated pipe and thread cutters, stocks, dies, taps, and other machine-operated cutting tools..... do										
Other metal-working tools..... do										
Textile, sewing, and shoe machinery..... do										
Textile machinery..... do										
Full-fashioned hosiery knitting machines, power driven..... number	185	85	2	43	14	1,422	1,179	1,307	744	320
Circular hosiery knitting machines..... number								1,225	325	225
Other circular knitting machines..... do	6,649	2,215	2,168	1,196	571	2,736	1,075	809	476	206
Other knitting machines and parts..... do	1,432	746	1,174	1,136	1,205	657	399	620	400	431
Textile winding machines..... do						1,394	1,169	750	468	416
Textile winding machines..... number	1,091	1,091	1,569	1,086	2,161	1,300	360	629	547	674
Cotton spinning and twisting machines..... do						456	542	463	196	280
Cotton looms..... number	1,452	414	1,232	580	1,667	511	173	378	194	422
Other cotton machinery..... do						1,041	888	493	361	507

* Average for years 1929 and 1930.

† Average for years 1924 and 1925.

* All metal-working machinery is included prior to 1922.

No. 490—EXPORTS OF UNITED STATES MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921-1925	1926-1930	1930	1931	1932	1933	1921-1925	1926-1930	1930	1931	1932	1933
GROUP 7.—MACHINERY AND VEHICLES—Continued												
B. Industrial machinery—Continued												
Textile, sewing, and shoe machinery—Contd.												
Textile machinery—Continued.												
Wool carding and weaving machinery							1 267	292	218	160	98	104
Silk machinery							1 254	542	768	519	254	428
Other textile and textile finishing machinery							13,244	3,770	2,614	1,945	1,298	1,317
Sewing machines—												
For domestic use.....number	1 246,151	173,222	116,898	51,811	112,053	32,947	8,210	4,616	3,128	1,164	1,621	882
For factory or industrial use.....do		57,883	49,145	42,335	29,349	44,427	11,881	4,054	3,644	2,740	2,184	2,804
Sewing-machine parts.....do							1,381	1,600	1,314	1,025	717	970
Shoe machinery, except sewing							1,404	1,695	1,678	1,000	603	609
Other industrial machinery							61,681	71,080	74,519	39,095	15,792	15,839
Cigarette, cigar-making, and other tobacco machinery								1,380	1,635	1,704	506	399
Bakery machinery and parts								837	789	466	183	180
Flour-mill and gristmill							1,135	647	478	251	123	163
Rice-mill machinery							1,187	205	139	65	79	71
Sugar-mill machinery—												
Cane mills.....number		3,022	1,782	1,007	431	416	8,405	480	287	105	104	34
Other sugar-mill machinery							2,134	4,182	4,029	1,048	1,002	980
Paper and pulp-mill machinery							740	3,653	3,511	1,276	696	895
Sawmill machinery								877	758	528	176	158
Planers, matchers, jointers, and molders												
Other woodworking machinery and parts	17 188	208	77	60	19	39	17 108	235	126	74	11	30
Veneer machinery							1,571	1,809	1,776	886	293	349
Blowers and ventilating machinery								1 80	80	26	30	38
Bottling and bottle-washing machinery							3 514	1,366	1,726	1,077	427	414
Brewers' machinery								1,636	1,437	839	317	364
Ice-making equipment							638	981	680	365	61	86
Refrigerating equipment—								776	880	665	350	356
Up to 1 ton capacity ^{a1}												
Over 1 and up to 10 tons capacity ^{a1}							2,150	2,548	1,440	285	56	102
Over 10 tons refrigerating capacity												
Oil-mill machinery							1 923	846	922	422	190	219
Cotton gins, cotton presses, and parts							506	886	703	289	221	96
Ball and roller bearings, and parts							1 1,455	490	338	241	138	251
	1 2,464	3,492	4,444	2,323				2,404	3,250	1,751	720	777

[illegible]

1 Average for years 1922-1925. 2 Average for years 1923-1925.
3 Average for years 1924 and 1925. 4 Average for years 1924 and 1930.
5 Average for years 1924 and 1935. 6 Average for years 1924 and 1935.
7 1925 only. 8 Average for years 1924 and 1935.
9 Total refrigerators, including household electric, up to 10 tons refrigerating capacity prior to 1927 and over 10 tons, in 1927 and 1928.
10 Total refrigerators, including household electric, up to 10 tons refrigerating capacity prior to 1927 and over 10 tons, in 1927 and 1928.

No. 490.—EXPORTS OF UNITED STATES MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921-1925	1926-1930	1931	1932	1933		1921-1925	1926-1930	1931	1932	1933	
GROUP 7.—MACHINERY AND VEHICLES—Contd.												
E. Agricultural machinery and implements.												
Bee-keeping equipment.....												
Cream separators.....number.....	8, 551	12, 491	14, 596	9, 062	5, 850		51, 913	109, 901	115, 909	57, 408	10, 548	12, 915
Other dairy machinery and parts.....												22
Incubators and brooders.....number.....	111, 216	27, 869	26, 934	9, 768	1, 429							334
Other poultry equipment, n. e. s.....												322
Implement of cultivation.....												53
Horse and power plows.....number.....	184, 546	151, 269	53, 433	15, 164	30, 636							70
Harrows.....do.....	124, 067	32, 560	3, 329	1, 185	1, 724							400
Cultivators, horse and power.....do.....		88, 802	19, 535	6, 728	10, 752		6, 102	1, 758	1, 437	193	82	96
Planters, horse and power.....do.....	118, 568	11, 308	24, 162	5, 046	6, 623			1, 137	504	95	103	
Drills and seeders, horse and power.....do.....		18, 639	16, 355	1, 703	1, 988		1, 141	487	279	569	32	54
Sprayers and dusters.....do.....	17 86, 233	158, 755	537, 531	917, 808	1, 018, 172		17 255	1, 808	1, 250	221	57	41
Other cultivating implements and parts.....							1 3, 241	4, 716	3, 964	1, 763	225	163
Harvesting machinery.....												1, 075
Mowers, except lawn.....number.....	1 68, 724	14, 084	9, 218	2, 025	1, 037		2, 813	874	580	138	74	51
Lawn mowers, hand and power.....do.....		100, 800	77, 685	40, 576	15, 449		11 543	701	557	332	142	131
Hayrakes and tedders.....do.....	1 10, 383	8, 246	7, 272	908	247			315	243	38	10	20
Grain harvesters and binders.....do.....	1 29, 563	26, 224	14, 630	4, 055	1, 389		1 4, 738	4, 800	2, 821	718	225	283
Combines (reapers, threshers).....do.....	17 1, 720	6, 785	6, 573	2, 608	382		17 1, 028	8, 700	9, 024	6, 237	480	473
Other harvesting implements and parts.....							1 3, 292	4, 103	3, 956	2, 146	693	1, 060
Seed separators.....												
Threshers.....number.....	1 5, 175	4, 115	1, 414	214	123		4, 785	3, 913	1, 482	218	101	119
Corn shellers.....do.....	1 10, 626	15, 942	10, 870	2, 862	547		1 212	280	54	5	11	11
Other separators and parts.....							1 1, 138	1, 566	572	500	95	183
Feed cutters, grinders, and crushers.....number.....	1 2, 910	7, 318	5, 875	3, 212	1, 988		1 165	342	361	199	147	90
Wheel tractors.....do.....		61, 933	44, 774	27, 079	1, 629			40, 066	44, 188	26, 081	1, 485	1, 815
Track-laying tractors.....do.....		3, 413	5, 122	1, 739	1, 887			7, 036	12, 445	4, 120	1, 539	2, 100
Track-laying tractors less tracks.....do.....	22, 965	7 532	244	11	2		14, 312	71, 064	639	26	7	4
Engines for tractors.....do.....		1, 065	279	28	15			462	122	6	19	35
Parts and accessories for tractors.....								10, 066	14, 404	6, 915	2, 045	2, 297
Windmills.....number.....	1 11, 558	22, 160	15, 667	4, 694	3, 927		2 559	1, 869	853	291	121	179
Towers and parts of windmills, except pumps.....							1 105	1, 869	853	291	121	179
Hay presses, hand and power.....number.....	1 1, 022	929	599	140	53		1 252	275	190	46	20	158
Other agricultural machinery, implements, and parts.....							5, 831	3, 814	3, 400	1, 094	567	476
F. Automobiles and other vehicles.												
Automobiles, parts, and accessories.....							211, 034	444, 825	167, 705	90, 082	104, 211	
							177, 164	406, 164	148, 125	76, 955	90, 830	

	202	113	34	48,248	24,904	43,516	1,280	170	62	25,101	11,717	20,113
Electric trucks and passenger cars, number.....	25,952	118,473	84,312	7,768	2,226	4,779	18,165	75,190	55,856	2,083	605	1,401
Motor trucks, busses, and chassis.....	do	do	do	19,745	32,325	32,325	116,712	67,392	46,992	13,273	7,927	12,886
Under 1 ton.....	do	do	do	3,611	2,090	4,941	13,411	7,708	8,894	4,174	1,745	4,028
1 and not over 1½ tons.....	do	do	do	1,375	753	1,206	3,411	7,708	8,894	2,449	1,303	2,157
Over 1½, not over 2½ tons.....	do	do	do	18	18	26	26	7,708	8,894	399	65	27
Over 2½ tons.....	do	do	do	176	18	26	26	7,708	8,894	399	65	27
Bus chassis.....	do	do	do	321	127	289	289	72	113	123	72	113
Secondhand trucks and busses.....	do	do	do	82,457	41,440	64,511	94,339	197,649	105,979	50,007	23,591	32,100
Passenger cars and chassis.....	do	do	do	66,142	35,533	59,694	100,242	177,108	93,278	31,735	16,960	26,734
Not over \$850.....	do	do	do	9,986	3,299	2,639	100,242	177,108	93,278	9,352	3,143	2,662
Over \$850, not over \$1,200.....	do	do	do	2,787	1,238	1,088	19,473	20,491	12,701	4,000	1,638	1,662
Over \$1,200, not over \$2,000.....	do	do	do	1,515	586	833	19,473	20,491	12,701	3,836	1,544	1,897
Over \$2,000.....	do	do	do	2,027	784	757	58,081	8,277	5,544	853	305	295
Secondhand passenger cars.....	do	do	do	6,034	1,659	2,180	6,355	1,141	1,635	854	296	290
Parts of, except tires—	do	do	do	18,958	20,663	19,397	6,355	9,315	1,516	1,516	1,584	1,173
Automobile engines—	do	do	do	10,750	19,489	26,464	6,355	62,237	61,290	39,963	21,048	18,348
For motor trucks and busses.....	do	do	do	88,420	41,106	6,197	6,355	7,179	44,802	27,408	16,278	1,300
For passenger cars.....	do	do	do	5,900	5,560	5,677	58,081	51,144	43,100	26,036	14,967	15,461
Automobile parts for assembly.....	do	do	do	5,900	5,560	5,677	58,081	51,144	43,100	26,036	14,967	15,461
Automobile parts for replacement.....	do	do	do	5,900	5,560	5,677	58,081	51,144	43,100	26,036	14,967	15,461
Spark plugs.....	do	do	do	5,900	5,560	5,677	58,081	51,144	43,100	26,036	14,967	15,461
Other parts for replacement, n. e. s.....	do	do	do	5,900	5,560	5,677	58,081	51,144	43,100	26,036	14,967	15,461
Automobile accessories.....	do	do	do	5,900	5,560	5,677	58,081	51,144	43,100	26,036	14,967	15,461
Automobile shock absorbers and stabilizers.....	do	do	do	5,900	5,560	5,677	58,081	51,144	43,100	26,036	14,967	15,461
Automobile bumpers.....	do	do	do	5,900	5,560	5,677	58,081	51,144	43,100	26,036	14,967	15,461
Automobile horns, hand and electric.....	do	do	do	5,900	5,560	5,677	58,081	51,144	43,100	26,036	14,967	15,461
Other accessories, n. e. s.....	do	do	do	5,900	5,560	5,677	58,081	51,144	43,100	26,036	14,967	15,461
Automobile service appliances, n. e. s.....	do	do	do	5,900	5,560	5,677	58,081	51,144	43,100	26,036	14,967	15,461
Automobile tire-service equipment.....	do	do	do	5,900	5,560	5,677	58,081	51,144	43,100	26,036	14,967	15,461
Pumps for gasoline and oil.....	do	do	do	5,900	5,560	5,677	58,081	51,144	43,100	26,036	14,967	15,461
Other service appliances.....	do	do	do	5,900	5,560	5,677	58,081	51,144	43,100	26,036	14,967	15,461
Automotive fire engines.....	do	do	do	5,900	5,560	5,677	58,081	51,144	43,100	26,036	14,967	15,461
Trailers.....	do	do	do	5,900	5,560	5,677	58,081	51,144	43,100	26,036	14,967	15,461
Airplanes, seaplanes, and other aircraft.....	do	do	do	5,900	5,560	5,677	58,081	51,144	43,100	26,036	14,967	15,461
Engines for aircraft.....	do	do	do	5,900	5,560	5,677	58,081	51,144	43,100	26,036	14,967	15,461
Aircraft parts and accessories, except tires.....	do	do	do	5,900	5,560	5,677	58,081	51,144	43,100	26,036	14,967	15,461
Cycles—	do	do	do	5,900	5,560	5,677	58,081	51,144	43,100	26,036	14,967	15,461
Bicycles.....	do	do	do	5,900	5,560	5,677	58,081	51,144	43,100	26,036	14,967	15,461
Motor cycles.....	do	do	do	5,900	5,560	5,677	58,081	51,144	43,100	26,036	14,967	15,461
Parts and accessories, except tires.....	do	do	do	5,900	5,560	5,677	58,081	51,144	43,100	26,036	14,967	15,461
Motor boats with engines installed.....	do	do	do	5,900	5,560	5,677	58,081	51,144	43,100	26,036	14,967	15,461
Internal-combustion marine engines, except Diesel—	do	do	do	5,900	5,560	5,677	58,081	51,144	43,100	26,036	14,967	15,461
Detachable motors (outboard).....	do	do	do	5,900	5,560	5,677	58,081	51,144	43,100	26,036	14,967	15,461
Other.....	do	do	do	5,900	5,560	5,677	58,081	51,144	43,100	26,036	14,967	15,461

1 Average for years 1922-1925.

2 Average for years 1923-1925.

3 Average for years 1929 and 1930.

7 Average for years 1925-1930

17 1925 only

22 Average for years 1921, 1922, and 1925.

No. 490.—EXPORTS OF UNITED STATES MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

Group and article	Quantity					Value in thousands of dollars						
	1921-1925	1926-1930	1930	1931	1932	1933	1921-1925	1926-1930	1930	1931	1932	1933
GROUP 7.—MACHINERY AND VEHICLES—Contd.												
F. Automobiles and other vehicles—Continued.												
Railway cars—												
Passenger service—												
Electric railway.....number.....	11 1,187	78	19	22	28	1	11 1,384	657	205	30	440	2
Steam railway.....do.....	1 143	232	107	25	3	1 347	1,537	1,538	493	586	18	77
Self-propelled railway and tram cars.....do.....		\$ 427	468	533	308	304	\$ 405	654	665	665	332	331
Freight cars.....do.....	5,654	3,516	2,018	867	179	248	8,276	4,247	4,939	1,523	187	13
Mine cars.....do.....	1 1,916	1,474	1,084	334	88	115	1 420	414	244	136	11	146
Air-brake equipment.....do.....							1 698	1 030	666	317	265	146
Parts, except axles and wheels.....do.....							5,506	4,085	2,817	1,344	810	681
Railway signals and attachments.....do.....							1 796	338	959	873	124	142
Wagons and drays.....number.....	8,389	4,971	2,138	882	189	422	705	483	293	131	40	25
Wheelbarrows.....do.....	1 92,965	93,158	46,548	16,800	9,721	13,547	600	373	177	63	32	48
Pushcarts and hand trucks.....do.....		12,406	11,040	5,733	2,599	2,456		246	247	130	60	44
Wheels, except automobile and car wheels.....do.....	1 184	112	62	89	67	56	1 204	257	172	123	65	57
Other vehicles and parts.....do.....							3,618	3,103	1,638	674	285	202
GROUP 8.—CHEMICALS AND RELATED PRODUCTS												
Total							107,564	134,914	127,770	100,027	70,348	76,771
A. Coal-tar products												
Benzol.....1,000 gals.....	9,730	28,843	44,600	21,881	3,241	8,439	9,668	15,940	17,557	10,308	8,752	12,421
Crude coal tar.....1,000 bbls in.....		\$ 98	87	71	400	691	2,501	7,049	9,566	3,705	612	1,594
Coal-tar pitch.....tons of 2,240 lbs.....		\$ 18,513	27,221	50,667	187,722	199,088	701	1,297	274	207	889	1,376
Creosote oil.....1,000 gals.....				1,494	114	137			290	493	2,125	2,414
Colors, dyes, stains and color lakes.....1,000 lbs.....	1 16,948	30,074	28,267	20,313	16,097	18,740	5,392	6,300	6,246	4,739	215	25
Other coal tar products exclusive of medicinals.....do.....				13,443	15,042	27,534					4,071	4,653
B. Medicinal and pharmaceutical preparations												
Milk of magnesia.....1,000 lbs.....		\$ 677	663	545			1,075	1,293	1,181	860	1,033	2,361
Castor oil.....gals.....		\$ 80,783	75,726	70,107	41,857	42,755	16,418	20,081	17,715	15,038	9,966	9,816
White mineral oil.....do.....		\$ 281,721	374,500	321,464	321,120	413,636		\$ 283	272	195	143	139
Biogenics (antifurrows, serums, vaccines, etc.).....do.....								\$ 133	115	117	56	58
Exhurs, cordials, tinctures, and similar liquid solutions.....do.....								7 871	491	329	201	205
Tablets, pills, capsules, powders, and similar manufactures.....do.....							1 781	2,086	2,593	2,346	1,832	1,798
Household pharmaceuticals in small packages.....do.....									988	1,049	854	813
Proprietary medicinal preparations.....do.....								17,657	2,007	2,160	1,524	1,688
C. Industrial chemical specialties												
Nicotine sulphate.....1,000 lbs.....		7 326	635	248	146	155	6,421	13,006	15,389	13,764	9,949	10,663
Lead arsenate.....do.....		7 1,643	2,271	1,788	1,190	599		7 206	7 206	203	105	89
								7 190	284	176	96	45

No. 490.—EXPORTS OF UNITED STATES MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

Group and article	Quantity					Value in thousands of dollars						
	1921-1925	1926-1930	1930	1931	1932	1933	1921-1925	1926-1930	1930	1931	1932	1933
GROUP 8.—CHEMICALS, ETC.—Continued												
D. Industrial chemicals—Continued.												
Calcium compounds—Continued.												
Calcium chloride.....1,000 lbs.		\$ 30,775	42,699	48,703	35,494	31,421		\$ 439	514	567	378	312
Citrate of lime.....do	22,598	13,626	4,991	1,626	6,245	8,036	644	535	568	584	464	497
Other, except arsenate and cyanide.....do					1,177					87	69	
Copper sulphate (blue vitriol).....do	4,050	6,231	5,062	7,191	4,133	2,749	206	326	253	277	115	93
Hydrogen peroxide (or dioxide).....do		2,078	1,917	1,320	593	575		344	304	208	98	91
Potassium compounds (not fertilizer).....do	17,156	3,616	2,512	2,318	1,773	2,550	465	500	499	371	241	302
Sodium compounds, n. e. s.												
Sodium carbonate.....do	1,355,100	500,684	518,243	502,669	410,582	448,151	8,725	10,548	10,627	9,992	7,232	7,759
Bicarbonate and chromate.....do	17,299	7,353	4,933	4,407	6,178	9,702	17,445	476	327	238	329	486
Cyanide.....do	13,014	1,552	1,242	1,121	839	434	1,368	243	181	101	114	66
Borate (borax).....do	25,979	112,770	165,863	173,876	179,282	175,353	1,176	2,625	3,098	3,359	2,678	2,498
Carbonate (soda ash, sal soda).....do	43,055	98,348	78,946	64,355	33,318	60,836	966	1,269	1,356	964	545	810
Silicate (water glass).....do	31,249	57,977	60,464	58,577	50,343	43,895	305	1,532	572	523	401	320
Hydrosulfide (caustic soda).....do	100,872	114,211	126,379	131,189	110,977	121,321	3,400	3,363	3,706	3,465	2,360	2,611
Bicarbonate (acid soda or baking soda).....do												
Sulphate.....1,000 lbs.	15,403	19,020	19,818	18,711	14,019	14,936	344	357	370	330	252	246
Other sodium compounds, n. e. s.....do	1,112,520	56,102	8,872	9,305	2,870	19,673	2,180	\$ 83	113	76	24	
Tin compounds.....do		116,991	51,698	41,148	12,756			1,650	968	776	519	702
Zinc compounds (except oxide).....do								7,182	138	127	90	35
Gases, compressed and liquefied—								7,145	129	88	46	
Ammonia, anhydrous.....do			3,117	2,022	599	105						
Chlorine.....do			2,272	1,892	999	1,146		7,343	339	235	134	149
Other gases, n. e. s.....do			7,532	8,843	6,383	13,418		7,249	255	248	161	277
Other industrial chemicals.....do			2,369	2,398	5,178	16,426		7,397	399	344	348	412
E. Pigments, paints, and varnishes.												
Mineral earth pigments—												
Other, umber, sienna, and other forms of iron oxide for paints.....1,000 lbs.	128,944	39,014	45,132	16,612	6,354	6,718	1,925	923	535	272	177	142
Other mineral earth pigments (whiting, barytes, etc.).....1,000 lbs.				16,444	9,083	14,890				157	109	210
Chemical pigments—												
Zinc oxide.....1,000 lbs.	10,517	28,938	21,507	10,282	2,523	1,443	775	1,868	1,447	717	196	122
Lithopone.....do	12,655	6,239	7,331	7,642	6,425	2,373	1,146	321	380	341	270	108
Bone black and lampblack.....do	3,434	3,434	3,674	2,773	1,182	1,344	204	157	157	131	73	90
Carbon black.....do	133,637	69,527	84,260	96,714	100,072	152,286	3,175	5,815	5,789	5,079	4,436	5,552
Red lead, litharge, and orange minerals.....do	2,325	4,522	8,255	6,174	3,972	4,215	226	381	590	385	104	207
White lead.....do	10,852	12,457	10,017	10,017	3,362	2,085	944	673	923	562	174	120
Other chemical pigments.....do	15,640	5,608	6,062	5,887	4,570	5,407	716	787	864	740	669	769

Bismuthous paints, liquid and plastic.		\$ 1,721	1,785	4,064	1,625	1,332	\$ 275	612	737	479	340
Paste paint.....	1,000 lbs..						{		354	529	267
Ready-mixed paints, stains, and enamels.....	1,000 gals.			1,500	1,045	1,202	6,311	7,961		255	198
Kalsomine or cold-water paints dry.....	1,000 lbs.		8,533	4,549	4,464				5,758	3,369	2,015
Nitrocellulose (pyroxilin) lacquers— Thinners for nitrocellulose lacquers								\$ 437	444	227	217
Pigmented.....	1,000 gals.		296	305	205	318				370	281
Clear.....	do.		71	93	228	337			862	604	813
Varnishes (oil or spirit, and liquid driers)	do.	800			79	61	1,587	2,885	149	198	117
Paint and varnish removers.....	do.		774	377	293	353			1,442	547	391
Paint specialties.....	do.			19	13		71,320	1,217		28	15
F. Fertilizers and fertilizer materials.— Ions of \$,240 lbs.		1,038,151	1,551,559	1,243,687	846,762	1,097,798	17,472	17,917	15,284	13,011	8,653
Nitrogenous fertilizer materials—											8,290
Sulfate of ammonia.....	do.	129,026	31,602	66,902	14,742	14,237	7,924	6,046	2,910	2,220	408
Other nitrogenous materials.....	do.	16,614	25,552	71,712	176,908	102,505	1,338	754	1,150	2,098	2,367
Phosphate materials—											
Phosphate rock.....	do.	117,793	65,992	105,233	60,000	42,394	2,343	724	447	614	295
High-grade hard rock.....	do.	895,778	1,150,790	846,012	547,026	786,695	3,607	4,203	5,183	3,663	3,219
Lime pebble and other.....	do.	36,938	91,470	81,587	23,883	53,371	516	1,429	1,595	941	334
Superphosphates (acid phosphates).....	do.		13,216	23,982	1,810	613		1,613	943	1,267	992
Potash fertilizer materials.....	do.		36,459	5,778	1,608	2,600	1,187	1,477	1,477	78	80
Prepared fertilizer mixtures.....	do.		56,289	37,401	16,760	18,857	1,862	3,847	1,869	648	671
Other fertilizers.....	do.										
G. Explosives, fuses, etc.							\$,892	4,072	2,950	1,733	1,937
Explosives—											
Smokeless powder.....	1,000 lbs.	1,349	475	246	181	123	{		704	430	196
Other gunpowder.....	do.		355	267	112				144	87	32
Blasting powder.....	do.		842	748	357				153	69	73
Dynamite.....	do.	12,458	9,940	5,546	4,607	6,053	1,216	1,964	1,260	754	600
Other explosives.....	do.	13,840	927	311	346	709	2,270	1,683	236	80	103
Fuses and blasting caps—											
Safety fuses.....	1,000 lin. ft.		92,765	68,077	51,076	61,685	407	575	376	252	208
Blasting caps.....	1,000 caps.		34,508	8,427	7,214	10,685	1,381	368	384	180	107
H. Soap and toilet preparations. Soap—							15,505	15,998	13,970	11,393	6,432
Mileated.....	1,000 lbs.		593	452	307	326			358	261	181
Toilet and fancy.....	do.		5,433	5,062	4,618	5,960	2,784	2,272	1,235	1,029	708
Laundry.....	1,000 lbs.		27,868	23,820	22,957	14,310	5,821	3,420	2,341	1,756	1,215
Powdery or flaked.....	do.		2,290	1,703	890	810	3,216	2,027	1,377	71	71

³ Average for years 1929 and 1930.

as "Red lead" prior to Jan. 1, 1927.

Average for years 1923-1925,

1925 only.

2 1930 only.

Average for years 1928-1930.

1 Average

No. 490.—EXPORTS OF UNITED STATES MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921-1925	1926-1930	1930	1931	1932	1933	1921-1925	1926-1930	1930	1931	1932	1933
GROUP 8.—CHEMICALS, ETC.—Continued												
X. Soap and toilet preparations—Continued												
Soap—Continued												
Scouring soaps and powders.....1,000 lbs.	4,206	7,744	11,733	7,964	3,522	3,688	248	502	829	528	262	279
Shaving soaps (creams, powders, and sticks).....1,000 lbs.		\$1,127	1,194	1,282	901	515		\$508	490	421	266	184
Other.....do		8,174	3,683	1,971	1,723	811		842	356	178	136	77
Perfumery and toilet waters.....do							1,482	371	248	143	99	120
Talcum and other toilet powders.....do							1,660	1,694	1,245	1,245	647	618
Creams, rouges, and other cosmetics.....do							1,144	2,078	2,074	1,890	792	768
Dental creams.....do		3,119	2,751	2,215	1,487	1,268		2,771	2,274	2,080	1,172	1,001
Other dentifrices.....do	13,374	612	428	346	358	288	12,712	538	249	164	136	107
Maucing preparations.....do									641	376	186	180
Diplatories and deodorants.....do									142	382	71	74
Hair preparations.....do									348	375	328	348
Other toilet preparations.....do							1,854	1,450	618	327	146	97
GROUP 9.—MISCELLANEOUS												
Total.....							119,338	142,693	136,092	94,717	62,839	56,093
A. Photographic and projection goods												
Cameras.....thousands	1,206	502	504	408	204	222	17,802	24,850	29,477	20,139	13,588	12,536
Motion-picture projectors.....number	1,238	3,807	3,794	4,468	1,752	2,277	1,226	2,338	2,202	1,383	901	951
Parts of cameras, except lenses.....do							1,302	731	737	557	236	311
Motion-picture sound equipment.....do							1,369	501	424	204	189	174
Stereopticons, magic lanterns, and other projection apparatus.....do								\$7,736	7,736	3,864	1,365	988
Projection arc lamps.....number		\$967	967	367	154		1,202	2,064	752	264	141	153
Motion-picture films—								1,122	122	70	24	
Sensitized, not exposed.....1,000 lin. ft.	55,875	65,253	57,532	108,180	114,211	123,300	1,296	1,507	1,921	2,323	2,197	2,389
Exposed.....do	167,127	246,284	274,351	199,690	160,772	164,537	7,048	7,435	8,119	5,585	4,120	3,580
Negative films, silent.....do		8,912	4,165	2,251	2,954	3,158				187	161	142
Negative films, sound.....do			8,191	13,947	11,639	9,882		1,293	984	1,230	800	469
Positive films, silent.....do	167,127	237,372	83,750	26,944	8,385	3,801			2,047	630	106	79
Positive films, sound.....do			178,246	196,548	137,494	147,686		6,143	4,740	3,538	2,651	2,800
Other sensitized films, not exposed.....thousands	1,21,867	21,283	20,056	16,852	9,516	9,929	4,144	4,272	4,267	3,549	2,460	2,134
Dry plates.....1,000 doz	1,651	843	761	583	485	710	1,430	403	408	293	222	320
Photographic paper.....1,000 lbs.	1,567	1,965	1,791	1,523	1,430	1,250	1,477	1,789	1,441	1,161	1,183	1,070
Other photographic apparatus and supplies (including unsensitized picture films).....do							1,864	1,688	1,347	886	500	484
B. Scientific and professional instruments, apparatus, and supplies							9,554	11,439	11,294	9,388	5,493	4,540

Optical goods— Spectacles, eyeglasses, and parts of Lenses, not fitted to instruments, thousands. Other optical goods. Dental instruments and supplies. Tooth. Dental office equipment. Sterilizers. Surgical and medical instruments. Surgical appliances, artificial limbs, crutches, trusses, etc. Surveying and engineering instruments. Other scientific, laboratory, and professional instruments and apparatus.	1,271	2,762	433	128	46	137	1,044	1,084	586
	12,773	23,339	27,392	31,899	21,267	11,820	1,292	1,115	33
							1,445	886	583
							1,304	1,445	1,132
							1,328	1,211	1,922
							607	779	1,081
							1,097	982	614
							238	238	137
							354	344	84
							494	433	137
C. Musical instruments— Pianos— Player pianos. Other pianos. Other piano actions and parts. Other piano actions and parts. Perforated music rolls. Organs. Phonographs. Phonograph records. Band instruments. String instruments. Other musical instruments, parts, and acces- sories.	9,252	8,774	908	460	122	439	2,549	279	73
	5,729	3,211	1,616	912	306		2,722	311	166
							1,400	581	10
							238	68	20
							1165	135	68
							271	105	31
							175	210	180
							2,075	5,318	616
							2,267	2,974	335
							1,734	3,245	184
D. Miscellaneous office supplies. Pencils and pens— Refillable pencils and pencil leads. Other pencils. Metallic pens except gold. Fountain pens. Writing ink. Printer's and lithographic ink. Other ink. Paste and mucklage. Carbon paper. Typewriter ribbons. Paper clips and binders, penholders, ink- stands, and other office supplies.	1,516	222	81	22	7		279	73	68
	1,487	1,379	870	430	205	134	311	68	10
	62,820	173,636	107,095	29,746	16,354	12,277	581	20	5
	1,305	8,361	3,328	1,734	993		210	9	4
	19,577	15,140	9,738	5,456	2,924	3,550	2,769	651	238
	142,368	57,833	35,183	25,201	15,392	18,764	3,006	410	233
							305	298	144
							1,385	2,278	1,132
							7,118	9,835	8,903
							2,045	1,755	477
E. Toys, athletic and sporting goods. Toys— Dolls and parts. Toy wheel goods and parts. Mechanical toys. Other toys, except rubber.	37,824	117,379	136,665	77,479	46,794	26,914	1,614	1,989	954
	10,119	10,986	10,043	6,523	4,813	4,916	1,234	1,420	131
	1,432	642	462	280	199	213	227	259	192
	12,679	3,286	2,746	1,740	637	809	307	340	109
	1,889	1,273	1,246	840	531	547	678	289	108
		228,439	240,225	192,346	145,420	151,212	931	902	72
							657	657	349
							530	522	303
							1,272	1,707	585
							3,660	4,770	3,275
F. Average for years 1922-1925. * Except medicinal.	1,710	1,485	1,247	1,485	1,247	1,485	1,485	1,247	1,485
	1,710	1,485	1,247	1,485	1,247	1,485	1,485	1,247	1,485
	1,710	1,485	1,247	1,485	1,247	1,485	1,485	1,247	1,485
	1,710	1,485	1,247	1,485	1,247	1,485	1,485	1,247	1,485
	1,710	1,485	1,247	1,485	1,247	1,485	1,485	1,247	1,485
	1,710	1,485	1,247	1,485	1,247	1,485	1,485	1,247	1,485
	1,710	1,485	1,247	1,485	1,247	1,485	1,485	1,247	1,485
	1,710	1,485	1,247	1,485	1,247	1,485	1,485	1,247	1,485
	1,710	1,485	1,247	1,485	1,247	1,485	1,485	1,247	1,485
	1,710	1,485	1,247	1,485	1,247	1,485	1,485	1,247	1,485

¹ Average for years 1922-1925.
* Except medicinal.

² 1930 only.
³ "Refillable pencils" prior to 1925.

⁴ Average for years 1929 and 1930.
⁵ "Other pencils and pencil leads" prior to 1925.

⁶ Average for years 1927-1930.

No. 490.—EXPORTS OF UNITED STATES MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

Group and article	Quantity					Value in thousands of dollars						
	1921-1925	1926-1930	1930	1931	1932	1933	1921-1925	1926-1930	1930	1931	1932	1933
GROUP 9.—MISCELLANEOUS—Continued												
E. Toys, athletic and sporting goods—Continued												
Athletic and sporting goods—												
Fishing rods, reels, hooks, bait, and tackle.....							1,294	379	414	373	252	263
Golf, tennis, foot, basket, and baseballs.....							1,162	280	386	170	107	69
Other athletic and sporting goods, except shoes, clothing and firearms.....							1,022	1,200	1,379	936	504	312
Amusement-park and playground devices.....							9,301	479	553	348	102	125
F. Firearms and ammunition.....												
Firearms and ordnance—							5,050	5,509	9,512	2,164	1,068	2,462
Revolvers and pistols.....	1,46,045	54,678	27,066	14,192	11,328	14,323	633	931	467	254	198	311
Rifles.....	49,005	23,917	23,917	17,896	10,174	18,145		641	335	194	94	154
Shotguns.....	1,91,382	54,556	35,869	17,227	4,815	10,062	1,034	471	330	168	52	78
Machine and heavy ordnance guns and carriages.....	1,659	688	698	140	416	929	197	235	96	50	224	788
Ammunition—												
Shot shells.....	3,018	3,087	2,318				9,780	814	603	406	178	241
Metallic cartridges ^a	5,600	4,042	2,494				2,436	2,004	1,369	874	651	739
Explosive shells and projectiles.....	1,481	136	36	2	60	249	160	72	31	1	59	183
Other, including fireworks.....							288	341	280	217	212	159
G. Books, maps, pictures, and other printed matter.....												
Books and pamphlets.....							19,866	24,295	23,987	18,177	12,440	11,380
Maps and charts.....								271	385	81	30	34
Music in books and sheets.....								335	231	171	183	143
Souvenir post cards.....								213	263	125	36	
Lithographically printed matter, except post cards and maps.....							13,561					
Playing cards.....	17,492	6,096	5,188	3,938	2,356	2,146	802	683	563	388	225	225
Other printed matter.....							1,6,866	7,401	7,432	9,625	6,862	6,335
H. Clocks and watches.....												
Clocks—							3,191	2,750	2,144	1,374	1,367	1,367
One-day alarm clocks.....	1,664	513	267	138	47	87	1,823	636	365	180	65	106
Mantel and novelty clocks.....		62	35	22	6	7		241	150	103	19	18
Wall clocks.....		21	12	7	2			132	79	43	9	
Other clocks and parts.....							1,343	353	294	308	205	166
Watches.....		653	309	130	44			894	419	185	61	60
Without jewels.....		605	293	123	42	56		460	238	98	30	31
With jewels.....		48	16	7	2	2	1,179	433	181	87	31	30
Parts of watches.....								618	456	210	103	78
Time-recording devices and parts.....								8,473	451	522	337	193
I. Art works—Painting and statuary.....												
J. Miscellaneous, n. e. s.....												
Barber and beauty parlor chairs.....	2,207	2,207	2,207	1,103	463		41,432	41,876	40,380	29,313	21,254	18,215

	3,444	2,730	2,185	1,828	1,886	\$ 814	716	554	435	589	572
Bottle and container closures (all kinds, except cork, glass and rubber stoppers).....											
Composition roofing—	\$ 3,918										
Asphalt roofing.....	820	643	335	277	429			688	391	257	361
Asbestos roofing.....	78	66	27	31	86	1,782	1,081	501	170	59	59
Other roofing.....	109	84	39	17	26			132	59	24	28
Billiard tables and accessories.....						384	367	260	149	79	57
Buttons—											
Pearl or shell.....	1,500	217	96	141	792	177	109	56	27	19	175
Other buttons.....	1,634	1,134	911	769		560	331	261	187	162	
Lamps and illuminating devices, except electric—											
Incandescent mantles.....	194	224	189	144	104	165	191	180	148	115	85
Lanterns.....		1,283	631	110	882			726	299	61	278
Lamps, other than electric.....		263	122	77	148	3,431	1,759	340	144	79	106
Other lighting devices, except glass.....							400	411	353	262	229
Chemical fire extinguishers (hand).....	1,062	1,566	825	264	147	215	125	154	103	51	25
Machines.....	1,453	35,239	28,523			335	341	268	364	202	302
Fly paper, traps, and swatters.....						191	121	116	63	21	22
Synthetic resin sheets, plates and mfrs.....							174	174	191	120	214
Pyroxylin products—											
Pyroxylin scrap and film scrap.....				962	1,139					53	80
Pyroxylin plastic film support (plastic film base).....				3,120	3,332					2,285	2,486
Sheets, rods, tubes.....	3,255	5,330	3,838	360	461	1,974	1,266	2,399	2,154	268	316
Manufactures.....	1,151	535	221	127	100	2,968		839	463	199	149
Brushes—											
Toothbrushes.....	102,891	192,891	159,064	157,178	127,163		522	522	392	340	279
Toilet brushes.....	239,374	37,937	36,344	13,854	12,450		615	103	85	41	37
Paint brushes.....	63,702	43,650	29,719	16,489	21,605	1,043	192	133	80	44	55
Other brushes.....	182,596	181,178	99,964	120,815	279,624		295	213	146	87	102
Plates and cuts, electrolytic, stereotypic, half-tone, lithographic, or engraved.....	1,330	347	320	367	257	385	458	440	377	338	282
Umbrellas and parasols.....	1,121	84	18	12	11	194	149	84	45	22	18
Candles.....	1,821	1,067	654	424	286	1,989	1,965	1,523	135	79	50
Notions.....									948	747	679
Refrigerators, except electric.....	15,795	10,032	5,272	2,082	2,485		390	330	163	63	93
Soda-fountain equipment.....						\$ 269	486	570	331	119	94
Shoe findings—											
Heels and counters, except rubber.....	587	580	748	269	364	1,635	148	147	135	49	61
Other.....							1,399	1,105	694	359	378
Trunks.....	20,967	25,877	10,762	4,316	4,315	\$ 400	552	403	166	57	49
Coin-operated scales.....		648	350	142			\$ 153	163	36	11	
Coin-operated commodity-vending machines.....											
Other coin-operated machines.....	\$ 8,814	9,019	6,904	4,300	4,976		\$ 398	414	279	182	220
Household and personal effects.....	\$ 6,054	6,783	7,066	10,732	20,149	12,506	\$ 386	437	382	441	450
All other articles.....						12,822	14,822	18,980	15,016	10,968	7,738
						12,147	9,791	6,458	4,262	2,417	1,995

³⁹ "Cartridges loaded" prior to 1924.

⁴⁰ Except musical.

¹ Average for years 1927-1930

² Average for years 1924 and 1925

³ Average for years 1923-1925

⁴ Average for years 1929 and 1930.

¹ Average for years 1922-1926.

² 1930 only.

No. 491.—GENERAL IMPORTS OF MERCHANDISE BY COMMODITY GROUPS AND ARTICLES

NOTE.—Data are for calendar years. Figures for 1921-1925 and 1926-1930 are annual averages. For a number of items data are not shown separately for all years from 1921-1930, and for this reason many averages for two, three, and four years are shown in the table. However, averages shown for group totals always cover five years. In some cases the detail does not add to the total because of the different periods covered by the data. For 1930 through 1933 a small item, "Articles, ordinarily dutiable, imported free" is not shown separately except in group 9, but is included in the total for each group. For annual averages for 1910-1914, see Statistical Abstract 1930, Table 548

Group and article	Quantity						Value in thousands of dollars					
	1921-1925	1926-1930	1930	1931	1932	1933	1921-1925	1926-1930	1930	1931	1932	1933
Total imports of merchandise							3,450,103	1,033,469	3,060,908	2,090,635	1,392,774	1,449,559
GROUP 00.—ANIMALS AND ANIMAL PRODUCTS, EDIBLE												
Total							89,271	125,084	96,755	61,076	45,028	44,422
A. Animals, edible												
Cattle.....	177	378	225	85	98	75	5,560	15,372	6,670	1,929	1,525	668
Sheep and goats.....	63,200	25,264	6,295	2,267	1,247	1,114	4,802	13,523	6,564	1,852	1,499	653
Poultry, live.....							1,351	200	47	19	7	7
Hogs.....		11,614	19	151	29	6		1,320	2	11	2	1
B. Meat products												
Beef, fresh.....	67,805	144,782	94,281	47,145	44,821	62,476	19,291	33,356	25,743	12,288	7,636	9,443
Veal, fresh.....	24,480	20,310	7,203	1,516	770	321	2,696	3,347	808	128	63	24
Pork, fresh.....	3,131	5,369	2,310	342	112	57	68	361	349	31	5	2
Mutton, fresh.....	9,540	7,342	1,063	769	1,650	539	579	1,489	264	151	108	58
Lamb, fresh.....	2,082	806	98	60	28	10	1,339	68	9	3	2	(a)
Other fresh meats.....	2,547	3,928	2,033	1,041	681	579	774	368	34	11	4	1
Poultry, dead.....	1,494	4,514	1,863	5,575	587	462	1,877	1,309	414	1,122	86	90
Poultry, prepared.....			468	602	458	288		325	306	271	183	148
Canned meats.....		51,206	62,438	18,926	22,862	43,025		6,458	7,160	2,217	1,953	2,813
Beef and veal, pickled or cured.....			2,101	1,465	814	658			243	137	57	39
Pork, ham, shoulders, bacon.....	9,858	19,764	1,979	1,979	3,022	1,699	1,396		776	602	615	398
Pork, pickled, salted and other.....			1,633	1,238	1,101	688		3,534	661	439	305	216
Other meats, prepared or preserved.....			2,372	544	7	5			336	74	2	1
Sausage casings.....												
Sheep, lamb, and goat.....	16,752	19,952	7,830	5,335	4,932	6,200	11,980	15,001	11,447	5,326	3,108	4,788
Other casings.....			10,588	7,656	7,717	7,931			2,616	1,639	1,015	817
Animal oils and fats, edible		2,049	1,535	2,273	820	100		180	109	131	44	4

D. Dairy products.										10,966
Cream.....	7,660	3,679	1,535	70	118	26	28,114	31,700	22,660	15,763
Milk.....	4,744	1,837	1,837	612	47	47	5,611	5,874	2,620	138
Milk, condensed and evaporated.....	2,228	1,611	1,245	1,188	1,118	1,118	1,193	103	338	100
Dried and malted milk.....	5,777	3,145	1,134	1,691	561	561	1,183	806	503	78
Butter.....	16,176	5,279	1,882	1,014	1,022	1,022	5,645	1,834	802	238
Cheese.....	51,888	76,862	68,311	61,991	55,623	48,307	15,764	22,162	18,249	492
										12,494
										10,615
										22,148
										8
E. Fish.										
Product of Philippine Islands										
Fish, fresh or frozen—	290,638	347,142	346,705	278,803	265,435	288,140	29,274	36,711	28,308	21,411
Salmon.....	8,963	5,003	5,843	5,739	3,030	5,123	981	689	834	253
Fresh-water fish and eels.....	39,340	62,594	50,759	45,911	36,365	40,862	13,346	5,095	4,625	3,681
Cod, haddock, hake, pollock, and cusk.....	1,043	863	1,237	1,469	1,469	1,469	1,469	46	45	63
Halibut.....	11,614	4,705	3,621	4,098	1,449	4,098	1,473	577	437	118
Mackerel.....	15,740	2,019	1,296	1,826	583	508	1,394	125	71	25
Swordfish and sturgeon.....		2,748	5,242	4,289	4,377			514	871	421
Smelts.....	4,819	7,444	5,653	6,640	7,407	6,726	923	1,040	867	816
Tuna fish.....	67,739	30,554	59,342	7,858	5,088	5,936	356	1,800	802	298
Sea herring.....	36,436	28,012	16,157	12,244	25,862			269	179	144
Other fresh fish, n. e. s.....	59,625	10,120	6,856	2,558	2,318	2,150	3,550	1,056	677	126
Fish, dried, unsalted.....	42,867	36,176	17,968	4,124	3,605	3,062	3,238	3,124	1,755	270
Fish, in oil, etc.—										295
Sardines.....	27,683	24,613	29,275	44,202	34,108			4,908	4,146	3,793
Anchovies.....	25,317	1,837	1,873	1,708	1,726			242	212	444
Other.....		5,763	3,688	1,954	7,023	16,330	4,639	1,330	802	2,303
In air-tight containers (not in oil, etc.).....		5,552	10,923	18,732	17,704			536	536	998
Pickled or salted—										
Salmon.....	12,330	2,329	870	636	270	317	1,365	369	120	67
Cod, haddock, hake, pollock, and cusk.....	25,370	25,370	41,690	39,405	41,011			1,689	2,262	1,644
Herring.....	17,799	42,170	40,588	32,405	30,538			2,727	2,865	1,010
Mackerel.....	13,792	9,019	6,171	4,311	4,311	1,129	1,129	601	383	177
Other.....	25,317	26,382	18,085	1,765	1,414	1,056	2,723	2,319	1,191	112
Smoked or kippered.....		2,409	4,469	3,517	3,343			217	217	237
Other prepared, or preserved fish, including pastes and sauces, n. e. s.....		964	528	449	273			125	81	58
Fish, filleted, skinned, boned, etc.....	13,305	3,452	3,084	3,010	1,784	2,500	1,700	405	383	196
Caviar and other fish roe.....		767	675	544	364			781	697	467
Shellfish—										230
Crab meat, sauce, and paste.....	4,937	10,696	12,475	10,261	7,525	9,749	1,956	4,553	5,056	2,605
Clams and oysters, in air-tight containers.....		288	288	1,229	1,560	1,561		38	38	166
Lobsters, not canned.....	6,770	7,581	9,881	11,694	10,623	1,363	1,363	1,881	2,135	1,734
Lobsters, canned.....	1,738	1,663	1,703	1,307	1,469	1,469	1,035	970	758	568
Shrimp and other shellfish.....		10,926	10,907	10,035	11,373			1,306	1,240	682
Crabs and turtles.....	1,624	9,608	737	551	316	246	876	34	43	17

¹ Average for years 1924 and 1925.

² Less than 500

¹ June 18 to Dec. 31, 1930
² Average for years 1921, 1924, and 1925

¹ Average for years 1922-1925.
² Average for years 1928-1930.

No. 491.—GENERAL IMPORTS OF MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921-1925	1926-1930	1930	1931	1932	1933	1921-1925	1926-1930	1930	1931	1932	1933
F. Other edible animal products.												
Eggs—												
Eggs of poultry in shell.....1,000 doz.	1,097	282	317	309	244	251	7,034	7,831	6,038	2,641	1,314	1,142
Whole eggs, dried.....1,000 lbs.		1,269	1,220	934	20	17					35	34
Whole eggs, frozen, prepared, etc.....do	18,763	7,016	6,612	7	2	101	3,726	674	604	293	(*)	4
Yolks, dried.....do		5,128	6,645	3,984	1,193	2,540		2,085	2,225	834	160	184
Yolks, frozen, prepared, etc.....do		3,211	1,665	763	412	345		640	530	77	37	23
Egg albumen, dried.....do	6,107	3,169	3,152	1,992	1,493	661	2,429	1,217	1,183	552	586	283
Egg albumen, frozen, prepared, etc.....do		1,529	883				\$ 222	731	608	363	177	192
Meat extract.....do	1,227	1,583	574	443	1,582	359	1,720	561	620	465	324	412
Gelatin, edible.....do	1,311	2,522	2,443	1,950		1,103						
GROUP 0.—ANIMALS AND ANIMAL PRODUCTS, INEDIBLE												
Total.....	429,956	447,460	399,911	271,053	190,240	359,978	234,681	337,522	254,305	166,866	80,112	117,763
A. Hides and skins, raw (except furs)												
Cattle hides.....do	929,808	293,274	186,931	92,628	55,687	139,879	93,067	118,003	92,263	50,302	22,493	45,679
Dry or dry salted (over 12 lbs.).....1,000 pieces	1,174	641	221	126	133	202	36,593	38,803	24,270	7,923	3,132	10,959
Wet salted (over 25 lbs.).....1,000 pieces	24,885	13,928	6,243	3,192	3,604	4,109	4,261	3,279	872	340	306	456
Wet salted (over 25 lbs.).....1,000 lbs.	3,901	4,139	3,518	1,754	1,047	2,555	29,332	35,524	23,398	7,483	2,926	10,563
India water buffalo (for rawhide).....1,000 pieces	204,922	209,346	181,668	89,434	52,063	135,770						
India water buffalo (for rawhide).....1,000 lbs.		\$ 16	\$ 16	38	20	37		\$ 65	\$ 65	158	70	125
Buffalo hides, n. e. s.....1,000 pieces		\$ 331	\$ 331	680	454	705						
Buffalo hides, n. e. s.....1,000 lbs.	137	158	62	7	7	10	508	822	295	35	27	32
Kip and calf skins.....do	2,736	3,540	1,521	289	261	279						
Kip skins—												
Dry and dry salted (6 to 12 lbs.).....1,000 pieces	44,416	45,690	36,848	39,538	31,014	44,732	10,560	13,223	8,912	6,056	2,737	6,244
Dry and dry salted (6 to 12 lbs.).....1,000 lbs.	1,410	167	32	38	21	74		467	65	39	11	74
Wet salted (12 to 25 lbs.).....1,000 pieces	1,952	1,584	285	316	153	645						
Wet salted (12 to 25 lbs.).....1,000 lbs.	1,377	412	696	696	619	842	1,1,208	1,454	1,088	1,058	728	1,436
Calf skins—												
Dry and dry salted (less than 1,000 pieces—6 lbs.).....1,000 lbs.	1,637	6,593	5,915	9,464	9,396	12,241						
Dry and dry salted (less than 1,000 pieces—6 lbs.).....1,000 lbs.	2,858	2,512	1,437	1,246	1,011	2,112	3,410	3,314	1,603	851	369	1,163
Wet salted (less than 12 lbs.).....1,000 pieces	11,798	6,691	3,613	2,883	2,331	5,541						
Wet salted (less than 12 lbs.).....1,000 lbs.	3,017	4,079	3,751	3,443	2,398	3,293	5,568	7,969	6,156	4,108	1,629	3,671
Horse, coll. and ass hides.....do	24,401	30,651	27,035	26,875	19,134	26,305	1,945	1,690	1,966	511	395	590
Dry and dry salted.....1,000 pieces	11,433	13,423	15,193	8,105	8,599	11,761						
Dry and dry salted.....1,000 lbs.	301	171	46	64	44	60	654	508	121	117	46	47

	173	267	326	176	161	243	592	1,112	1,145	394	279	473
Wet salted.....	(1,000 pieces 1,000 lbs.)	10,503	14,163	7,161	7,593	10,571						
Sheep and lamb skins.....	(1,000 pieces 1,000 lbs.)	59,898	64,843	41,668	33,465	51,538	15,920	18,389	14,369	6,865	3,649	6,936
Woolled, dry and green.....	(1,000 pieces 1,000 lbs.)	15,448	3,056	2,500	1,761	1,528	14,374	2,883	1,797	629	127	686
Slats, dry, no wool.....	(1,000 pieces 1,000 lbs.)	120,653	8,355	5,126	4,246	6,064	14,206	6,714	4,674	2,948	1,691	2,800
Pickled skins.....	(1,000 pieces 1,000 lbs.)	147,075	18,675	13,173	11,400	8,878	13,898	8,792	7,898	3,288	1,831	3,470
Goat and kid skins.....	(1,000 pieces 1,000 lbs.)	1,798	23,277	30,357	22,528	21,180	31,635	447				
Dry and dry salted.....	(1,000 pieces 1,000 lbs.)	72,760	90,669	84,594	78,199	79,345	99,699	40,382	38,069	24,116	10,301	16,647
Green or pickled.....	(1,000 pieces 1,000 lbs.)	39,456	49,024	40,298	44,744	32,623	26,752	36,310	33,922	21,974	9,774	15,753
Kangaroo and wallaby.....	(1,000 pieces 1,000 lbs.)	60,186	74,702	64,402	45,589	71,299						
Deer and elk.....	(1,000 pieces 1,000 lbs.)	3,823	5,225	4,120	1,011	2,767	2,877	4,072	4,177	2,142	527	894
Reptile skins, raw.....	(1,000 pieces 1,000 lbs.)	15,967	17,803	11,797	5,803	8,046						
Other hides and skins.....	(1,000 pieces 1,000 lbs.)	751	701	788	534	981	726	654	600	394	208	506
B. Leather.....	(1,000 pieces 1,000 lbs.)	863	884	888	813	1,004						
Sole leather.....	(1,000 pieces 1,000 lbs.)	863	884	888	813	1,004						
Leather cut into soles, blocks, etc.....	(1,000 pieces 1,000 lbs.)	863	884	888	813	1,004						
Balting leather and welting.....	(1,000 pieces 1,000 lbs.)	863	884	888	813	1,004						
Harness leather.....	(1,000 pieces 1,000 lbs.)	2,485	2,137	2,018	1,605	1,973						
Cattle grains and finished splits.....	(1,000 sq. ft. 1,000 lbs.)	2,235	2,571	2,336	1,183	1,449						
Patent.....	(1,000 sq. ft. 1,000 lbs.)	6,863	5,619	5,962	6,036	7,314						
Calf and kip.....	(1,000 pieces 1,000 lbs.)	7,790	5,719	775	632	1,206	15,261	35,517	23,728	10,595	6,847	9,788
Whole calf and kip, upper and lining.....	(1,000 pieces 1,000 lbs.)	7,790	5,719	775	632	1,206	15,261	35,517	23,728	10,595	6,847	9,788
Side calf and kip, upper and lining.....	(1,000 pieces 1,000 lbs.)	7,790	5,719	775	632	1,206	15,261	35,517	23,728	10,595	6,847	9,788
Leather cut into shoe uppers, vamps, etc.....	(1,000 pieces 1,000 lbs.)	7,790	5,719	775	632	1,206	15,261	35,517	23,728	10,595	6,847	9,788
Unholstery, bag, case, garment, and ball leather.....	(1,000 pieces 1,000 lbs.)	7,790	5,719	775	632	1,206	15,261	35,517	23,728	10,595	6,847	9,788
Other bovine leather.....	(1,000 pieces 1,000 lbs.)	7,790	5,719	775	632	1,206	15,261	35,517	23,728	10,595	6,847	9,788
Sheep and lamb.....	(1,000 pieces 1,000 lbs.)	7,790	5,719	775	632	1,206	15,261	35,517	23,728	10,595	6,847	9,788
Goat and kid.....	(1,000 pieces 1,000 lbs.)	7,790	5,719	775	632	1,206	15,261	35,517	23,728	10,595	6,847	9,788
Reptilian and shark skin leather.....	(1,000 pieces 1,000 lbs.)	7,790	5,719	775	632	1,206	15,261	35,517	23,728	10,595	6,847	9,788
Glove leather, seal leather, skivers, chamol skins, etc.....	(1,000 pieces 1,000 lbs.)	7,790	5,719	775	632	1,206	15,261	35,517	23,728	10,595	6,847	9,788
Rough tanned leather.....	(1,000 pieces 1,000 lbs.)	7,790	5,719	775	632	1,206	15,261	35,517	23,728	10,595	6,847	9,788
Leather (other than bovine) for manufacture of footwear.....	(1,000 pieces 1,000 lbs.)	7,790	5,719	775	632	1,206	15,261	35,517	23,728	10,595	6,847	9,788
Grained, embossed, etc., or fancy leather.....	(1,000 pieces 1,000 lbs.)	7,790	5,719	775	632	1,206	15,261	35,517	23,728	10,595	6,847	9,788
All other leather.....	(1,000 pieces 1,000 lbs.)	7,790	5,719	775	632	1,206	15,261	35,517	23,728	10,595	6,847	9,788

¹ Average for years 1922-1925.

² Average for years 1923-1925.

³ Average for years 1929 and 1930.

⁴ Less than 500.

⁵ June 18 to Dec 31, 1930.

⁶ Average for years 1924 and 1925.

⁷ Average for years 1922-1925.

⁸ Average for years 1923-1925.

⁹ Average for years 1929 and 1930.

¹⁰ June 18 to Dec 31, 1930.

¹¹ Average for years 1924 and 1925.

¹² Average for years 1922-1925.

¹³ Average for years 1923-1925.

¹⁴ Average for years 1929 and 1930.

¹⁵ June 18 to Dec 31, 1930.

¹⁶ Average for years 1924 and 1925.

¹⁷ Average for years 1922-1925.

¹⁸ Average for years 1923-1925.

Coney and rabbit.....	1,000 pieces	2,641	1,301	968	639	1,343	633	327	132	30
Silver or black fox, dressed or undressed	1,000 pieces	12	2	3	8	3	150	89	218	101
Lamb and sheep.....	303	344	208	60	94	1,100	1,181	898	101	170
Do. goat, and kid.....	2,131	2,315	2,832	1,957	1,850	5,596	4,705	3,336	1,479	1,400
Other dressed furs.....						751	586	505	288	753
Manufactures offer—										
Cut fur for hatlers' use, including fur skins carried.....	1,000 lbs.	140	15	28	3	1	1,648	26	27	4
Plates and mats of dog and goat skins.....	1,000 pieces	868	281	331	145	480	1,432	1,004	353	1,255
Fur hats—										
For men and boys.....		285	285	190	101	107	712	761	444	263
For women and girls.....		583	583	347	424	186	1,050	446	289	156
All other.....							1,869	829	229	400
E. Animal oils, fats, and greases, inedible.										
Whale oil.....	1,000 gals.	8,020	9,955	18,628	96	697	5,060	10,704	2,376	2,888
Cod-liver oil.....	do.	4,577	2,051	1,704	3,280	2,115	2,970	7,683	29	149
Other fish oil.....	do.	5,218	2,895	1,737	1,248	3,433	3,322	6,564	920	1,171
Wood grease.....	1,000 lbs.	10,387	7,913	3,153	1,565	2,418	2,229	1,312	804	804
Tallow.....	do.	11,322	7,913	4,792	3,992	4,416	1,851	440	143	56
Stearic acid.....	do.	10,629	624	1,672	502	239	359	271	148	138
Grease and oils n. o. s.....	do.			6,318	6,322	5,277	1,043	30	49	7
F. F. Other inedible animals and animal products.										
Animals, inedible—										
Horses—										
For breeding.....	number	500	430	280	166	196	1,134	889	492	146
Other.....	do.	2,678	2,763	1,062	2,200	2,920	1,015	912	342	244
Cattle for breeding.....	1,000 head.	10	8	10	3	5	19,455	963	605	605
Birds, n. o. s.....	thousands.	694	659	686	306	215	1,636	717	362	225
Foxes, silver.....	number	1,065	316	580	212	116	1,067	336	45	10
Other animals.....							1,995	55	4	4
Bones, hoofs, and horns—							761	619	522	348
Unmanufactured.....	1,000 lbs.	89,028	115,833	88,477	87,465	91,243	1,774	1,692	898	791
Manufactures.....							66	120	58	67
Bristles, sorted, bunched, or prepared.....	1,000 lbs.	5,212	4,486	4,245	3,486	5,187	5,262	3,173	2,313	4,027
Feathers—										
Crude.....	do.	3,796	3,361	2,780	1,568	2,746	2,043	1,318	551	630
Advanced.....	do.	20,242	40,743	52,553	31,794	14,454	1,204	1,065	217	48
Glue stock, hide cuttings, etc.....	1,000 lbs.						1,284	3,056	572	502
Gelatin, inedible, and manufactures.....							1,301	1,460	612	353
Glue and glue size, and manufactures.....							608	939	767	486
Cassia or lactacene.....	1,000 lbs.	17,421	25,045	3,593	1,201	8,142	1,916	1,247	143	38
Ivory tusks in natural state.....	do.	349	189	40	12	11	2,979	1,920	119	33
Shells, unmanufactured.....	do.						608	1,170	119	33
Mother-of-pearl.....	do.						2,075	2,168	909	1,131
All other.....	do.	5,666	7,129	6,636	3,975	4,905	1,556	2,120	120	55
Other.....	do.	1,263	4,713	3,375	2,834	4,904	2,229	85	31	55

⁹ "Coney and rabbit" includes "hare" prior to 1925.
¹⁰ 1925 only.

³ June 18 to Dec. 31, 1930
⁵ Average for years 1924 and 1925.

¹ Average for years 1923-25.
² Average for years 1928-30.

No. 491.—GENERAL IMPORTS OF MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921-1925	1926-1930	1930	1931	1932	1933	1921-1925	1926-1930	1930	1931	1932	1933
GROUP 0.—ANIMALS AND ANIMAL PRODUCTS, IN-EDIBLE—Continued												
F. Other inedible animals and animal products—Continued.												
Sponges and manufactures.....1,000 lbs.	1, 431	993	773	616	380	465	837	1, 115	907	715	380	375
Beeswax and other animal wax.....do.	3, 180	4, 727	4, 312	3, 680	3, 451	3, 811	761	1, 471	1, 061	779	468	566
Tankage.....tons of 2,240 lbs.				22, 476	21, 130	25, 017				477	311	542
Fish scrap and fish meal.....do.					21, 805	26, 526					531	689
Other inedible animal products.....do.							1, 700	1, 576	2, 429	2, 007	484	567
GROUP 1.—VEGETABLE FOOD PRODUCTS AND BEVERAGES												
Total							738, 855	778, 693	696, 708	465, 999	361, 863	372, 700
A. Grains and preparations												
Corn.....1,000 bus. of 56 lbs.	1, 135	1, 808	1, 556	618	344	160	32, 611	24, 487	24, 085	13, 328	7, 661	13, 559
Oats.....1,000 bus. of 32 lbs.	2, 465	205	183	576	59	132	1, 062	1, 452	1, 000	328	77	77
Rice.....							1, 147	1, 102	59	92	23	47
Uncleaned.....1,000 lbs.												
Cleaned (except patta).....do.	12, 857	10, 768	2, 885	5, 957	1, 398	2, 376	614	454	111	133	29	52
Patta rice for use in canned foods.....do.	50, 052	42, 402	23, 229	24, 713	16, 286	17, 843	1, 823	1, 837	841	725	418	495
Flour, meal, etc.....do.		2, 163	2, 254	1, 644	841	1, 040		134	116	68	31	30
Wheat.....1,000 bus. of 60 lbs.	1, 536	2, 761	1, 022	1, 589	549	8, 918	79	95	48	31	18	126
Wheat flour.....1,000 lbs.	18, 973	15, 838	10, 969	15, 691	10, 026	10, 318	23, 204	18, 574	10, 548	10, 035	5, 362	5, 706
Biscuits, wafers, cakes, etc.....do.	78, 573	970	359	59	46	167	2, 688	37	16	2	1	3
Macaroni, vermicelli, noodles, etc.....1,000 lbs.	3, 785	3, 561	2, 777	2, 459	2, 225	1, 648	284	643	687	411	260	240
Bread, yeast-leavened.....do.	2, 138	2, 495	2, 677	2, 762	2, 735	2, 500	280	319	232	184	152	113
All other.....do.							271	344	389	353	252	219
B. Fodders and feeds							1, 321	496	1, 037	968	949	6, 300
Hay.....tons of 2,000 lbs.	133, 801	133, 347	104, 304	67, 440	13, 858	7, 376	7, 990	14, 798	16, 965	6, 462	2, 270	4, 187
Oil cake and oil-cake meal—							1, 503	1, 253	897	567	96	53
Bean (soy and other).....1,000 lbs.		95, 822	113, 628	39, 620	36, 569	66, 702		1, 901	2, 068	439	342	587
Coconut or copra.....do.		34, 570	37, 143	15, 054	10, 738	21, 195		459	425	122	77	132
Cottonseed.....do.		32, 923	22, 075	1, 533	979	7, 004	1, 877	641	9	5	5	38
Linseed.....do.		60, 486	51, 687	18, 808	22, 388	24, 950		1, 370	1, 070	205	211	190
All other.....do.		60, 679	23, 244	4, 932	4, 664	4, 662		1, 084	320	48	40	37
Brass, shorts, and other by-product feeds of wheat.....1,000 tons of 2,240 lbs.	1, 294	261	386	243	79	198	14, 680	6, 604	8, 070	3, 213	948	2, 641
Of direct importation.....do.		145	232	127	20	114		3, 405	4, 800	1, 707	249	1, 606
Withdrawn from bonded mills.....do.		110	134	116	59	84		3, 199	3, 269	1, 500	699	1, 035
Beef pulp, dried.....tons of 2,240 lbs.	1, 31, 184	37, 164	73, 941	40, 680	10, 128	6, 866	1, 994	1, 076	1, 539	631	140	96
Other fodders and feeds.....							1, 218	1, 694	2, 001	1, 228	411	411

No. 491.—GENERAL IMPORTS OF MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

Group and article	Quantity					Value in thousands of dollars						
	1921-1925	1926-1930	1930	1931	1932	1933	1921-1925	1926-1930	1930	1931	1932	1933
GROUP 1.—VEGETABLE FOOD PRODUCTS, ETC.—Continued												
D. Fruits and nuts—Continued.												
Fruits—Continued.												
Olives, dried and other, n.e.s.	637	1,709	222	310	477	230	1,091	438	944	26	30	14
Grapes.	26,021	10,800	8,716	6,426	7,217	6,043	2,046	772	607	500	466	359
Currants.	48,514	41,906	44,089	44,967	44,967	47,493	2,712	2,335	1,886	1,706	373	352
Dates.	38,978	30,438	15,755	9,088	6,967	6,857	2,619	2,173	1,194	657	1,523	1,801
Figs.	11,887	2,688	1,334	1,903	1,325	1,108	1,270	302	181	186	109	122
Raisins and other dried grapes.	11,887	2,688	1,334	1,903	1,325	1,108	1,270	302	181	186	109	122
Citron or citron peel.	1,847	4,318	4,347	3,169	3,227	4,281	1,720	584	551	235	245	250
Ginger root, prepared or preserved.	1,792	1,080	1,240	965	874	1,005	1,123	132	121	66	48	51
Jellies, jams, marmalades, and fruit butter												
Other fruits, natural, prepared, or preserved	1,881	3,650	3,487	2,949	2,730	2,810	1,458	500	429	347	246	290
Other fruits, natural, prepared, or preserved		36,831	42,400	30,851	30,795		3,699	1,912	1,889	1,119	971	871
Nuts.												
Chestnuts, including marrons.	24,435	18,704	18,673	19,511	15,421	13,236	29,468	28,680	20,535	17,873	9,835	8,939
Coconuts, in the shell.	69,091	65,289	62,262	59,505	50,153	54,914	1,034	1,440	1,258	1,013	770	786
Almonds—												
Shelled.	21,770	17,537	14,693	13,147	5,684	3,537	6,167	6,090	3,967	2,883	1,029	713
Not shelled.	4,030	1,751	228	11	144	6	437	240	17	2	8	(a)
Brazil and cream—												
Shelled.	38,751	20,688	2,767	6,851	6,660	5,013	2,208	2,815	790	1,222	829	658
Not shelled.			13,718	27,705	20,229	19,609			1,263	1,177	675	727
Coconut meat, desiccated or prepared—			45,343	37,133	30,303	30,694	7,121	3,280	3,277	1,936	1,505	1,655
Product of the Philippine Islands.	12,496	39,604	45,343	37,133	30,303	30,694	2,491	1,170	305	179	38	66
Other.	32,140	14,571	6,234	4,163	1,167	1,469						
Filberts—												
Shelled.	5,419	5,639	4,659	3,768	2,804	2,414	972	1,155	1,064	662	300	239
Not shelled.	12,916	9,108	5,348	6,751	5,902	2,850	1,186	1,056	513	565	265	250
Walnuts—												
Shelled.	18,148	18,604	17,009	16,836	9,250	4,954	5,410	5,072	4,066	3,686	1,402	699
Not shelled.	27,331	12,839	3,630	5,001	3,067	8	3,284	1,557	390	417	210	1
Peanuts—												
Product of the Philippine Islands.	13,865	865	865	921	23	1	13,54	54	54	51	1	(a)
Shelled.	44,233	33,629	4,258	5,308	36	114	2,072	1,627	162	140	1	2
Not shelled.	5,397	6,009	3,218	4,277	473	180	245	252	107	115	10	4
Pecans.	1,858	530	408	187	6	287	1,172	65	37	57	1	51
Pignolia.	4,647	579	401	511	337	278	1,148	189	95	95	66	60
Pistachio.	1,285	1,007	1,007	1,405	2,119	2,329	1,480	489	397	427	421	439
Cashew.	4,079	4,079	4,079	10,525	9,799	11,691	1,691	1,691	1,691	2,095	1,612	1,442
Other edible nuts, n. e. s.	4,275	4,094	4,094	1,188	979	909	869	955	846	210	146	186
Other edible nuts, n. e. s.												
Vegetable oils and fats, edible.	79,910	94,569	120,131	134,923	93,684	106,425	13,901	15,565	12,893	11,216	7,667	7,806
Cacao butter.	2,555	116	239	10	16	8	603	26	29	3	3	2

	70,941	85,247	92,994	70,394	74,274	71,994	12,684	14,812	11,221	8,253	6,975	6,649
Olive oil, edible.....do.....												
In packages weighing less than 40 pounds.....do.....	48,887	51,318	53,734	35,432	38,102	34,412	\$ 8,122	9,024	6,893	4,353	3,650	3,363
Other.....do.....	34,420	33,929	39,230	34,962	38,172	37,552	\$ 5,998	5,787	4,368	3,900	3,319	3,286
Sunflower seed oil.....do.....		6,935	15,565	14,886	16,457	23,849	614	602	949	645	907	748
Peanut oil.....do.....	6,384	\$ 11,362	\$ 11,362	49,632	1,489	1,318		\$ 630	\$ 630	2,315	207	81
Other edible oils.....do.....					6,448	9,286						327
F. Cocoa, coffee, and tea.												
Cocoa or cacao beans.....do.....	364,848	422,263	373,233	415,977	479,562	474,196	263,109	355,795	264,281	217,514	189,890	154,952
Cocoa, prepared.....do.....	3,059	3,987	3,441	3,524	3,561	4,419	31,329	45,497	31,219	23,193	19,676	18,735
Chocolate, prepared.....do.....	1,340,272	1,492,950	1,593,317	1,741,536	1,501,126	1,586,254	690	665	494	456	338	320
Coffee.....do.....	11,661						205,792	281,707	200,472	174,904	136,812	124,137
Extractions of, and substitutes for coffee.....do.....	94,491	89,844	84,926	86,733	94,727	96,582	25,254	27,045	22,595	18,757	12,455	13,707
G. Spices.												
Paprika, ground.....do.....	94,849	90,113	84,435	89,677	88,668	98,248	13,743	17,877	14,247	10,599	7,828	7,894
Celery seed.....do.....	104,143	5,125	5,355	4,401	4,581	5,787	10,671	957	766	573	492	682
Cinnamon and chips of, unground.....do.....	1,485	856	783	970	870	738	\$ 194	138	110	140	158	231
Cinnamon seed.....do.....	1,485	922	881	770	876	896	\$ 349	349	148	77	68	64
Cumin seed.....do.....	1,560	820	281				\$ 21	74	34			
Caraway seed.....do.....	5,090	4,753	5,644	5,895	5,465	8,117	\$ 482	351	379	302	275	545
Cardamom seed.....do.....	\$ 130	263	222	244	131	213	\$ 182	198	181	137	65	103
Capsicum or red or cayenne and chili pepper, unground.....do.....	4,085	2,274	1,637	1,160	1,116	1,378	495	315	138	86	88	97
Cassia and cassia vera.....do.....	8,334	8,720	8,507	7,616	7,550	10,000	509	642	569	451	408	545
Cloves, unground.....do.....	5,994	4,892	3,798	3,942	4,490	3,724	1,221	923	748	684	459	340
Ginger root, unground, not prepared.....do.....	5,015	3,878	3,464	5,069	2,931	3,622	585	335	313	282	120	139
Mustard.....do.....	12,705	16,922	11,838	10,935	10,224	12,054	619	930	576	445	395	461
Ground or prepared.....do.....	1,501	1,725	1,694	1,437	1,034	1,255	838	967	915	757	430	622
Nutmegs, unground.....do.....	4,021	4,122	3,914	4,550	4,278	4,461	753	873	843	422	301	316
Mace, unground.....do.....	\$ 691	734	683	624	730	728	\$ 411	452	340	188	156	185
Pepper, unground—												
Black.....do.....	33,316	22,894	25,600	28,459	28,226	30,362	2,898	5,640	4,743	3,002	2,426	1,954
White.....do.....	\$ 3,298	4,117	4,961	5,118	5,608	4,320	\$ 180	1,517	1,337	768	560	441
Pimento (allspice), unground.....do.....		2,300	2,140	2,908	2,397	2,223		\$ 351	284	158	80	88
Tonka beans.....do.....		\$ 328	94	650	355	126		\$ 284	72	533	243	127
Vanilla beans.....do.....	863	1,245	1,252	1,403	1,169	1,486	3,331	2,147	1,811	1,342	825	795
Other spices.....do.....	12,861	3,508	1,837	3,514	4,521	6,756	1,532	404	212	212	149	247
H. Sugar and related products.												
Sugar cane, natural.....do.....		1,240	227	10	284	214	303,517	223,199	150,537	122,613	105,025	114,311
Beet sugar.....do.....	831	364	908	4,800	1,102	9		\$ 840	827	22	610	352
Cane sugar.....do.....	8,117,916	8,470,917	9,989,319	9,347,659	9,941,440	5,748,244	295,361	297,306	129,457	112,626	96,707	107,641
Product of Philippine Islands and Virgin Islands.....do.....	614,419	1,293,073	1,593,053	1,688,938	2,089,471	2,469,144	30,077	45,597	51,732	50,021	57,340	66,893
Other.....do.....	7,503,497	7,261,844	5,390,266	4,708,721	3,851,909	3,273,100	265,284	161,799	77,745	62,005	39,361	40,838
Molasses, n. e. s.....do.....	159,362	267,741	113,390	7,243	8,694	10,859	7,138	12,966	8,246	1,182	847	953
Molasses not for human consumption.....do.....		26,834	132,754	176,837	178,077	173,258		1,894	9,866	7,463	5,574	4,312

19 1930 only.

11 Average for years 1921-1923.

7 Average for years 1922-1925.

10 1925 only.

12 Less than 500.

13 Average for years 1929 and 1930.

14 Average for years 1928-1930.

15 June 18 to Dec. 31, 1930.

16 Average for years 1924 and 1925.

	8,913	12,833	13,957	8,928	4,943	4,066	4,455	6,460	7,021	4,195	2,023	1,061
Chicle.....do.....	805	308	308	318	254	326	106	200	199	120	68	91
Balsam, crude.....do.....	8,084	8,687	6,864	7,264	5,500	5,598	842	870	973	536	227	264
Tragacanth.....do.....	1,000	1,000	1,000	1,000	1,425	2,394	1,423	754	443	674	428	422
Kadaya (karaya) and talka.....do.....	1,000	1,000	1,000	1,000	1,425	2,394	1,423	754	443	674	428	422
Other gums and resins, n. e. s.....do.....	1,000	1,000	1,000	1,000	1,425	2,394	1,423	754	443	674	428	422
C. Drugs, herbs, leaves, roots, etc.....do.....	1,000	1,000	1,000	1,000	1,425	2,394	1,423	754	443	674	428	422
Cinchona bark or other from which quinine may be extracted.....do.....	2,333	2,287	1,989	1,681	1,139	1,814	1,713	681	585	494	388	561
Pyrethrum or insecticide flowers.....do.....	1,451	10,017	8,536	4,621	12,111	10,435	1,451	1,905	1,333	522	1,309	1,524
Licorice root.....do.....	63,409	76,450	57,372	59,283	57,669	41,449	2,167	2,068	1,360	1,424	1,186	780
Licorice extract.....do.....	1,537	1,050	1,062	1,312	1,039	991	1,266	193	147	154	164	119
Opium, crude, 85 per cent or more morphine.....do.....	105	136	122	130	130	121	502	880	686	394	274	317
Senna.....do.....	13,144	2,887	2,343	1,266	1,944	2,121	1,272	165	106	70	82	94
All other.....do.....	19,148	24,419	23,447	22,625	17,549	22,210	1,240	3,665	3,411	2,937	1,725	1,650
D. Oilseeds.....do.....	175,909	14,287	339	103,215	83,156	113,100	51,204	65,999	54,845	82,666	16,472	26,668
Cottonseed.....do.....	79,797	126,553	103,061	103,215	83,156	113,100	1,050	130	5	2,350	1,004	1,889
Castor beans.....do.....	289,278	515,371	595,339	457,947	453,447	660,872	2,998	4,392	3,163	11,067	8,059	9,238
Flaxseed.....do.....	16,634	19,771	12,662	14,480	7,919	13,825	34,045	36,794	26,732	11,129	5,164	13,467
Poppy seed.....do.....	1,313	5,973	6,084	7,198	6,634	8,267	1,489	487	413	411	381	173
Palm nuts and kernels.....do.....	17,967	17,967	55,666	139,608	10,743	13,627	641	641	1,643	3,006	290	348
Repeased.....do.....	25,430	25,430	36,301	50,443	19,182	42,631	908	914	1,103	1,094	428	818
Sesame seed.....do.....	25,430	25,430	36,301	50,443	19,182	42,631	908	914	1,103	1,094	428	818
Other oil seeds.....do.....	25,430	25,430	36,301	50,443	19,182	42,631	908	914	1,103	1,094	428	818
E. Vegetable oils.....do.....	75,354	105,575	126,323	79,311	75,922	118,760	51,099	73,963	66,216	40,413	24,393	30,352
Expressed oils and fats.....do.....	205,191	311,708	317,919	325,175	249,117	316,078	48,759	66,375	60,573	36,760	21,577	26,843
Tung oil.....do.....	90,025	201,839	237,493	238,145	217,167	267,458	9,247	12,367	12,487	4,426	3,434	4,893
Count oil.....do.....	90,025	201,839	237,493	238,145	217,167	267,458	9,247	12,367	12,487	4,426	3,434	4,893
Product of Philippine Islands.....do.....	90,025	201,839	237,493	238,145	217,167	267,458	9,247	12,367	12,487	4,426	3,434	4,893
All other.....do.....	90,025	201,839	237,493	238,145	217,167	267,458	9,247	12,367	12,487	4,426	3,434	4,893
Palm oil.....do.....	90,025	201,839	237,493	238,145	217,167	267,458	9,247	12,367	12,487	4,426	3,434	4,893
Inedible oils for mechanical or manufacturing purposes.....do.....	90,025	201,839	237,493	238,145	217,167	267,458	9,247	12,367	12,487	4,426	3,434	4,893
Olive oil, sulphured or foots.....do.....	34,009	46,162	62,783	36,924	45,909	40,464	2,857	3,285	3,400	1,652	1,605	1,550
Other inedible olive oil.....do.....	19,918	64,184	29,104	12,928	11,759	12,910	4,415	1,118	661	1,037	735	850
Palm-kernel oil.....do.....	19,918	64,184	29,104	12,928	11,759	12,910	4,415	1,118	661	1,037	735	850
Repeased (colza oil).....do.....	19,918	64,184	29,104	12,928	11,759	12,910	4,415	1,118	661	1,037	735	850
Sesame oil.....do.....	19,918	64,184	29,104	12,928	11,759	12,910	4,415	1,118	661	1,037	735	850
Vegetable tallow.....do.....	19,918	64,184	29,104	12,928	11,759	12,910	4,415	1,118	661	1,037	735	850
Vegetable wax.....do.....	19,918	64,184	29,104	12,928	11,759	12,910	4,415	1,118	661	1,037	735	850
Repeased (colza) oil, n. e. s.....do.....	19,918	64,184	29,104	12,928	11,759	12,910	4,415	1,118	661	1,037	735	850
Linseed oil.....do.....	19,918	64,184	29,104	12,928	11,759	12,910	4,415	1,118	661	1,037	735	850
Soybean oil.....do.....	19,918	64,184	29,104	12,928	11,759	12,910	4,415	1,118	661	1,037	735	850
Carnauba wax.....do.....	19,918	64,184	29,104	12,928	11,759	12,910	4,415	1,118	661	1,037	735	850
Perrilla oil.....do.....	19,918	64,184	29,104	12,928	11,759	12,910	4,415	1,118	661	1,037	735	850
Other expressed oils.....do.....	19,918	64,184	29,104	12,928	11,759	12,910	4,415	1,118	661	1,037	735	850
June 18 to Dec. 31, 1930.....do.....	19,918	64,184	29,104	12,928	11,759	12,910	4,415	1,118	661	1,037	735	850
Average for years 1923-1925.....do.....	19,918	64,184	29,104	12,928	11,759	12,910	4,415	1,118	661	1,037	735	850
Average for years 1926-1930.....do.....	19,918	64,184	29,104	12,928	11,759	12,910	4,415	1,118	661	1,037	735	850

Average for years 1926 and 1930.

Average for years 1922-1925.

Average for years 1924 and 1925.

Less than 500.

Average for years 1921, 1924, and 1925.

Average for years 1922-1925.

No. 491.—GENERAL IMPORTS OF MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

Group and article	Quantity					Value in thousands of dollars				
	1921-1925	1926-1930	1931	1932	1933	1921-1925	1926-1930	1931	1932	1933
GROUP 2.—VEGETABLE PRODUCTS, INEDIBLE, ETC.—Continued										
F. Vegetable oils—Continued.										
Essential and distilled oils.....										
Cassia and cinnamon.....										
Geranium.....	156	349	306	326	410	6,278	6,438	3,643	2,746	3,410
Otto of roses.....	52	172	141	145	128	746	438	218	188	290
Bergamot.....	199	52	20	15	33	282	400	420	463	480
Citronella and lemon grass.....	1,108	114	81	40	75	1,003	496	209	105	205
Lavender and spike lavender.....	1,217	315	280	1,508	1,865	1,004	618	386	483	693
Lemon.....	530	471	624	376	270	382	754	522	500	385
Orange.....	218	198	166	167	271	478	884	216	123	161
Sandalwood.....	439	14	10	5	3	183	58	40	19	13
All other essential and distilled oils.....	3,170	3,618	2,920	2,961	2,805	3,093	1,923	1,289	982	1,102
F. Dyeing and tanning materials, n. e. s.										
Logwood.....	26,797	28,532	21,863	13,172	25,466	8,143	8,552	7,414	3,267	4,961
Myrobads fruit.....	116,012	17,234	12,335	9,040	12,814	514	501	375	384	335
Quebracho wood.....	26,439	56,742	55,366	13,383	20,115	1,415	558	293	130	223
Sumac.....	4,935	3,975	2,960	1,427	2,577	368	897	640	587	313
Valonia.....	117,622	19,231	36,096	17,832	21,854	1,307	242	231	117	115
Gambier or terra japonica.....	6,184	3,942	2,253	2,252	3,402	433	275	182	186	236
Wattle bark.....	11,797	9,784	5,183	3,551	8,734	222	216	172	146	197
Other crude.....	168,267	64,659	31,795	16,688	21,849	1,208	1,169	731	310	367
Extracts for dyeing, coloring, etc.....	3,153	1,579	1,006	1,710	638	255	143	125	66	84
Extracts for tanning.....										
Quebracho.....	117,246	96,102	90,863	105,388	121,871	4,335	4,123	3,838	1,810	2,626
All other.....	6,905	6,772	13,332	9,960	19,654	249	225	361	217	469
G. Seeds, except oil seeds.										
Field seeds—										
Alfalfa.....	17,184	2,064	368	243		1,966	366	26	20	
Clover.....	33,994	23,712	11,086	2,335		4,618	3,505	570	358	
Red.....	12,089	8,068	2,046	30		1,996	1,428	194	2	
Alsike.....	19,632	5,816	4,198			1,319	1,148	543		
Crimson.....	16,067	3,036	1,890	665	2,088	1,403	240	189	31	110
Other.....	12,646	6,761	1,326	1,690	1,532	1,889	688	228	170	265
Vetch.....	19,066	3,672	2,424	2,072	5,692	1,945	220	105	63	174
Grass seeds.....	10,447	7,931	5,993	4,261	4,361	1,070	1,101	982	270	213
Sugar-beet seeds.....	10,510	13,453	13,962	20,913	20,277	1,403	1,403	1,309	1,360	1,315
Seeds for the Department of Agriculture.....										
Garden and flower seeds—										
Cabbage.....	1,416	265	351	180	176	114	148	123	87	69
Canary.....	11,749	15,848	16,929	19,622	21,664	1,551	568	687	317	294
Spinach.....			2,011	2,379	3,797				172	323
Turnip.....	1,442	1,504	1,380	564	1,507	1,176	169	138	55	122

Articles in part of lace.....	1, 304	1, 200	994	615	351	20
Lace window curtains.....	610	449	273	214	241	353
Embroideries.....	833	587	577	827	47	12
All other laces, embroideries, etc.....	2, 273	1, 432	847	1, 081	942	1, 150
Cotton floor coverings.....	12, 200	6, 282	1, 715	2, 897	3, 308	3, 315
Belting for machinery.....	351	269	99	102	127	198
Rags, except paper stock.....	11, 580	17, 019	438	761	310	467
Other cotton manufactures, n. e. s.....	4, 802	5, 115	2, 827	1, 228	947	1, 335
D. Jute and manufactures.....	76, 556	98, 709	67, 855	37, 681	22, 469	31, 199
Jute, unmanufactured.....	9, 002	9, 432	3, 091	3, 669	1, 504	2, 590
Jute butts, unmanufactured.....	6, 492	1, 857	1, 485	835	63	2, 606
Waste bagging and waste sackcloth.....	1, 119	1, 119	636	953	735	1, 096
Burlaps.....	60, 405	72, 250	54, 300	28, 757	16, 908	24, 430
Bagging for cotton.....	1, 822	2, 353	2, 353	873	614	852
Woven fabrics, n. e. s.....	625	625	336	321	361	190
Jute bags or sacks.....	4, 146	4, 146	3, 059	1, 902	1, 788	1, 531
Yarns, single.....	7, 175	7, 175	3, 059	1, 902	1, 788	1, 531
Corlages.....	1, 453	96	0	1	1	11
Other jute manufactures.....	1, 372	647	559	298	373	367
E. Flax, hemp, and ramie, and manufactures.....	48, 197	47, 944	36, 832	30, 079	20, 713	22, 653
Flax unmanufactured.....	2, 984	3, 030	2, 840	2, 687	2, 763	1, 283
Hacked.....	680	680	1, 430	254	254	425
All other.....	2, 982	2, 570	2, 982	1, 410	422	509
Hemp, unmanufactured.....	630	506	379	148	75	133
Manufactures of flax, hemp, and ramie.....	44, 051	44, 315	33, 613	29, 344	19, 873	21, 927
Single yarns.....	1, 454	1, 204	831	555	284	552
Thread and twine.....	1, 721	554	389	277	157	271
Fabrics.....	29, 218	19, 345	15, 985	14, 076	9, 305	11, 427
Plain woven fabrics, weighing less than 4 oz. per sq. yd.....	4, 398	4, 342	3, 885	4, 357	3, 173	4, 114
Woven fabrics of flax 30 to 100 threads to the sq. inch, 4 to 12 oz. to the sq. yd.....	1, 339	1, 809	915	947	476	612
12 to 36 inches in width.....	159	60	152	663	208	78
Pile fabrics and manufactures.....	2, 863	2, 290	5, 169	2, 051	2, 063	1, 084
Woven fabrics for padding or interlining.....	8, 255	9, 798	5, 583	4, 422	2, 810	3, 698
Table-damask and manufactures.....	2, 547	2, 360	648	463	369	70
Other fabrics of flax, hemp or ramie.....	9, 380	8, 472	3, 668	3, 611	2, 493	2, 464
Wearing apparel.....	37, 194	34, 262	30, 258	3, 734	2, 463	2, 464
Towels or napkins and bed clothing.....	28, 203	30, 258	2, 850	2, 084	1, 088	1, 212
Handkerchiefs.....	3, 138	2, 630	2, 902	2, 329	1, 088	1, 212
Not embroidered nor of lace.....	3, 505	2, 630	2, 902	2, 329	1, 088	1, 212
Manufactures of flax, hemp or ramie.....	2, 301	2, 630	2, 902	2, 329	1, 088	1, 212

³ Average for years 1924-25.

13 1930 only.

June 18 to Dec. 31, 1930.

years 1922-1925.

Average for years 1928-1930

6 A average for years 1929 and 1930.

No. 491.—GENERAL IMPORTS OF MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921-1925	1926-1930	1930	1931	1932	1933	1921-1925	1926-1930	1930	1931	1932	1933
GROUP 3.—TEXTILES—Continued												
E. Flax, hemp, and ramie, and manufactures—Con												
Manufactures of flax, hemp, and ramie—Con.												
Laces, embroideries, etc.—												
Product of Philippine Islands.							19 65	59	6	3	14	6
Embroideries and embroidered articles							5, 175	5, 367	4, 230	3, 168	2, 458	2, 206
Laces, drawn work, etc.							6, 566	8, 131	2, 327	2, 582	2, 161	61
Other manufactures n. e. s.							37, 034	43, 619	29, 578	17, 185	14, 646	1, 878
F. Other vegetable fibers and manufactures.												14, 906
Unmanufactured fiber..... tons of 2, 240 lbs.	213, 452	213, 040	182, 650	153, 234	222, 440	185, 223	83, 363	37, 904	25, 415	13, 617	12, 178	11, 505
Isle or tampo fiber..... do.	12, 248	12, 625	11, 112	9, 983	8, 432	6, 261	1, 212	1, 557	1, 051	650	340	251
Manila or abaca fiber..... do.	71, 452	60, 849	64, 052	30, 740	25, 039	32, 707	12, 318	12, 670	8, 844	2, 939	1, 614	1, 864
New Zealand fiber..... do.	19 917	3, 975	2, 844	304	125	62	16 151	610	377	26	7	3
Crin vegetal..... do.		4, 216	9, 848	9, 848	5, 016	5, 281			3 148	285	124	162
Sisal and henequen fiber..... do.	103, 124	118, 560	85, 661	89, 300	168, 205	126, 268	14, 478	18, 493	11, 864	7, 451	8, 427	7, 184
Kapok fiber..... do.	8, 324	7, 976	8, 142	7, 330	7, 768	9, 208	3, 647	3, 578	2, 480	1, 819	1, 434	1, 704
All other, n. e. s..... do.	12, 121	9, 074	6, 622	5, 239	7, 235	5, 356	1, 682	996	680	447	231	337
Manufactures of—												
Binding twine..... 1,000 lbs.	9, 791	13, 563	12, 173	22, 989	31, 992	47, 927	1, 134	1, 481	1, 311	1, 891	1, 623	2, 177
Cordage..... do.												
Product of the Philippine Islands..... do.	1 5, 056	6, 524	7, 514	5, 380	4, 942	7, 940	1 632	885	961	547	445	656
Other..... do.	1 3, 200	5, 940	3, 338	2, 611	3, 768	1, 956	1 408	824	445	246	275	147
Other manufactures..... do.							1, 789	2, 525	1, 446	884	827	422
I. Wool, including mohair, etc., unmanufactured												
..... 1,000 lbs.												
Carpet wool (actual weight)..... do.	339, 811	263, 242	163, 734	169, 395	56, 535	178, 923	102, 369	78, 790	37, 092	22, 372	6, 029	21, 457
Clothing wool (actual weight)..... do.	138, 453	135, 503	93, 404	120, 500	40, 935	130, 461	29, 695	34, 300	18, 094	14, 354	3, 002	12, 740
Combining wool (actual weight)..... do.	63, 677	16, 858	14, 702	6, 844	5, 161	4, 364	17, 137	6, 050	3, 841	1, 527	743	810
Combining wool (actual weight)..... do.	132, 028	96, 440	54, 364	30, 854	10, 214	39, 463	53, 335	36, 230	13, 342	6, 140	1, 577	7, 156
Hair of the Angora goat, Cashmere goat, alpaca, etc. (actual weight)..... 1,000 lbs.	5, 653	4, 439	1, 252	586	226	4, 640	2, 201	2, 209	910	350	106	750
Hair of the Angora goat (mohair)..... do.	1 3, 454	3, 765	427	175	113	3, 462	1, 665	1, 780	177	44	20	449
Hair of the Cashmere goat, alpaca, etc. do.	1 1, 236	674	825	411	113	1, 178	1 518	429	733	306	86	301
Wool, carbonized..... do.				200					5			

J. Wool, semimanufactures.										
Noils.....	1,000 lbs.	6,393	3,595	2,067	1,821	3,415	20,544	12,451	6,439	2,105
Wool rags la.....	do.	33,041	18,062	1,027	667	1,845	12,161	4,333	2,297	1,241
Waste.....	do.	3,615	2,107	769	122	1,867	1,900	1,513	1,852	251
Tops and other wool advanced.....	do.	4,902	281	24	8	163	3,288	318	300	19
Yarns.....	do.	3,967	262	153	205	545	5,094	746	1,220	369
Mohair.....	do.	130	74	6	6	190	198	281	453	104
Rabbit, including Angora rabbit.....	do.	* 84	37	37	25	27	* 958	* 568	* 568	116
Wool or other hair.....	do.	201	104	110	174	328	* 1,958	465	199	127
K. Wool manufactures.										
Woven fabrics of mohair and (1,000 sq. yds. wool.....	do.	* 22,082	9,219	4,731	3,712	5,076	18,774	18,437	9,644	4,816
Mohair fabrics.....	do.	9,836	4,788	2,602	1,853	2,816	12,114	155	126	27
Worsted—	do.	376	340	77	65	84	19			
Weighting not over 4 oz. per sq. yd.....	do.	1,102	75	17	14					
Weighting over 4 oz. per sq. yd.....	do.	4,401	1,974	446	371	508	2,022	1,833	756	184
Weighting over 4 oz. per sq. yd.....	do.	* 933	907	87	74	100				
Woolens—	do.	1,833	1,318	908	664	896	* 1,924	2,665	1,747	959
Weighting over 4 oz. per sq. yd.....	do.	* 806	684	472	353	487				
Other fabrics of wool.....	do.	* 15,666	11,251	3,290	2,612	3,588	* 17,240	13,784	7,014	3,046
Carpets and rugs.....	do.	* 9,422	7,275	2,020	1,512	2,211	172	193	528	498
Oriental Axminster, Savonnerie, Aubusson, oriental weave, and chenille Axminster.....	do.	134	99	376	183					
All other.....	do.	2,365	2,034	1,642	1,303	1,464	13,149	19,528	12,076	8,223
Wearing apparel.										
Knit goods—	do.	1,287	1,301	1,089	764	792	114,423	17,015	10,358	7,251
Sweaters.....	do.	1,610	733	553	539	672	1,389	2,514	1,719	971
Hosiery.....	do.	1,506	230	41	16	218	13,188	2,279	1,312	208
Gloves and mittens.....	do.	1,183	73	81	43	47	1,471	261	145	144
Other knit and crocheted goods.....	do.	1,310	506	966	862	770	1,193	2,192	2,677	2,009
Hats and hat bodies of wool-felt.....	do.	114,402	3,205	3,024	1,812	1,628	116,496	3,801	2,409	1,126
Hat bodies of wool-felt.....	do.	1,775	3,171	3,011	1,811	1,627	15,738	3,805	2,390	1,121
Hats of wool-felt.....	do.	2,137	514	13	1	(*) 329	6,113	2,276	1,174	711
All other wearing apparel.....	do.			310	251		* 730	331	293	76
Wool laces, embroideries, etc.	do.						2,173	2,314	862	289
Other manufactures of wool.....	do.									
L. Wool rags, flecks, and mungo prior to June 18, 1930.										
M. Wool rags, flecks, and mungo prior to June 18, 1930.										
N. Wool rags, flecks, and mungo prior to June 18, 1930.										
O. Wool rags, flecks, and mungo prior to June 18, 1930.										
P. Wool rags, flecks, and mungo prior to June 18, 1930.										
Q. Wool rags, flecks, and mungo prior to June 18, 1930.										
R. Wool rags, flecks, and mungo prior to June 18, 1930.										
S. Wool rags, flecks, and mungo prior to June 18, 1930.										
T. Wool rags, flecks, and mungo prior to June 18, 1930.										
U. Wool rags, flecks, and mungo prior to June 18, 1930.										
V. Wool rags, flecks, and mungo prior to June 18, 1930.										
W. Wool rags, flecks, and mungo prior to June 18, 1930.										
X. Wool rags, flecks, and mungo prior to June 18, 1930.										
Y. Wool rags, flecks, and mungo prior to June 18, 1930.										
Z. Wool rags, flecks, and mungo prior to June 18, 1930.										

1 Average for years 1923-1925

2 June 18 to Dec. 31, 1930.

3 Average for years 1924 and 1925.

1a Less than 500
1b Average for years 1927-1930.1a Wool rags, flecks, and mungo prior to June 18, 1930.
1b 1921 only.

No. 491.—GENERAL IMPORTS OF MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921-1925	1926-1930	1930	1931	1932	1933	1921-1925	1926-1930	1930	1931	1932	1933
GROUP 3.—TEXTILES—Continued												
L. Hair and manufactures, n. e. s.												
Human hair—												
Unmanufactured.....1,000 lbs.	1,581	2,604	2,723	2,249	2,152	2,302	8,944	5,456	3,694	2,793	1,364	1,855
Nets and netting of human hair.....1,000 gross.		610	640	629	385	364						
Other manufactures of human hair.....							17	4,595	117	107	56	80
Horse hair, tails, or manes.....1,000 lbs.	4,899	4,136	3,461	3,357	2,370	3,852	2,336	2,125	1,432	1,300	449	644
Cattle body hair, ordinary.....do.			4,345	4,187	1,407	3,265			321	219	52	133
Other animal hair, n. e. s.....do.	9,275	11,649	3,490	3,221	1,490	3,947	1,152	1,538	637	425	206	455
Manufactures of horse and cattle hair.....do.	8,665	318	193	120	338	67	4,120	98	50	34	41	11
M. Silk, unmanufactured	82,030	88,453	81,993	89,448	77,586	73,005	356,387	374,715	286,138	192,287	114,325	103,095
Raw silk.....do.	52,119	75,343	73,733	83,853	74,053	67,245	348,123	368,232	262,913	191,290	113,882	102,536
Silk, waste, and cocoons.....do.	9,911	11,114	8,260	5,583	3,533	5,760	8,163	6,482	3,225	987	444	1,038
N. Silk manufactures												
Spun silk or shappee silk yarn.....1,000 lbs.	1,383	516	189	171	22	119	40,941	36,383	18,687	16,625	5,633	6,329
Single.....do.	1,243	60	27	27	6	81	4,385	1,401	440	342	37	94
Advanced.....do.	1,109	456	162	144	16	38	1,642	1,163	96	78	11	32
Bolting cloths.....do.	1,21	23	14	15	12	15	1,927	1,234	344	268	28	62
Fabrics, broad, except pile fabrics.....do.	2,959	3,314	2,000	3,120	1,611	1,841	488	594	412	366	269	387
Fabrics not over 30 inches wide—												
Not jacquard, figured.....1,000 sq. yds.		3,427	3,427	2,073	964	1,196		3,269	3,269	984	386	405
do.....1,000 lbs.												
Jacquard, figured.....1,000 sq. yds.		3,87	3,87	572	310	392						
do.....1,000 lbs.												
Fabrics over 30 inches wide—												
Not jacquard, figured.....1,000 sq. yds.		3,765	3,765	28,979	15,330	18,713						
do.....1,000 lbs.												
Jacquard, figured.....1,000 sq. yds.		3,383	3,383	2,590	1,377	1,568						
do.....1,000 lbs.												
Pile fabrics.....do.	660	672	219	240	64	31	4,029	4,525	1,025	1,188	302	198
Pile ribbons and manufactures of pile fabrics.....do.												
Ribbons, braids, and narrow fabrics.....do.		84	63	148	63	14						
							670	292	112	55	23	24

No. 491.—GENERAL IMPORTS OF MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

Group and article	Quantity					Value in thousands of dollars					
	1921-1925	1924-1930	1930	1931	1932	1933	1921-1925	1924-1930	1930	1932	1933
GROUP 3.—TEXTILES—Continued											
P. Miscellaneous textile products—Continued											
Linoleum, inlaid.....do.....	1, 213	533	273	115	199	296	1, 271	592	270	106	157
Other linoleum and floor oil cloth.....do.....		319	103	193	84	511		317	73	109	34
Tracing cloths.....do.....		2, 296	1, 831	1, 412	885	722		1, 200	963	704	351
Other coated, or waterproof fabrics.....do.....	1, 3, 140	1, 620	608	320	252	331	1, 454	450	193	89	57
GROUP 4.—WOOD AND PAPER											
Total.....							296, 690	358, 780	319, 466	237, 355	168, 115
A. Wood, unmanufactured.....											
Cedar logs.....do.....	1, 125, 980	102, 507	25, 461	20, 718	27, 903	32, 575	14, 979	16, 050	12, 894	7, 943	4, 100
Logs of fir, spruce, or western hemlock.....do.....			74, 720	127, 656	58, 933	86, 579	1, 213	1, 457	1, 335	189	309
Logs and timber (except cabinet woods).....do.....							2, 125	1, 704	1, 166	1, 293	464
Teak.....do.....			1, 687	2, 662	522	250		3, 511	3, 511	725	96
Cabinet woods in the log—											
Product of Philippine Islands.....do.....	1, 928	5, 047	4, 811	1, 203	7, 784	4, 551	1, 54	208	215	50	237
Madagascar.....do.....	54, 074	65, 201	33, 651	16, 700	7, 769	7, 769	4, 623	4, 120	2, 115	937	437
Cedar, Spanish ".....do.....	9, 277	4, 870	4, 625	700	7, 769	7, 769	883	317	292	41	37
All other.....do.....	47, 143	9, 761	7, 131	3, 331	4, 348	2, 044	602	1, 263	872	288	241
Railroad ties.....do.....	1, 036	968	710	395	425	451	1, 691	778	581	302	357
Rattan, unmanufactured.....do.....	1, 14, 154	9, 384	7, 261	5, 392	4, 435	5, 279	1, 249	715	491	301	281
Poles—telegraph, telephone, etc.....do.....	1, 621	859	907	398	176	159	1, 2, 737	3, 525	3, 568	1, 542	593
Brier, ivy, or laurel root.....do.....							2, 294	340	461	338	244
Other unmanufactured wood.....do.....							2, 101	1, 521	1, 374	937	987
B. Wood manufactures—sawmill products.....											
Boards, planks, and deals—							68, 410	56, 703	35, 889	20, 319	12, 232
Softwood.....do.....	1, 576, 375	1, 499, 443	1, 146, 103	698, 278	351, 783	302, 487	48, 765	35, 020	26, 216	14, 061	6, 501
Hardwood.....do.....		69, 679	39, 800	24, 558	15, 276	26, 923		3, 883	2, 051	1, 019	550
Cabinet woods, sawed—											
Product of Philippine Islands.....do.....	10, 946	31, 150	28, 068	17, 965	6, 936	15, 411	638	1, 469	1, 367	866	491
Other cabinet woods, sawed.....do.....	5, 239	4, 184	3, 319	4, 350	5, 327	5, 870	379	339	310	290	324
Other lumber.....do.....											
Laths.....do.....	1, 478	1, 299	430	407	193	164	18, 2, 287	5, 050	1, 366	1, 215	408
Shingles.....do.....	2, 430	1, 888	1, 244	988	1, 239	1, 570	9, 162	6, 953	4, 159	2, 006	3, 496
Pickets and palings.....do.....							1, 478	491	421	262	150
C. Wood manufactures.....											
Barrels, boxes, and stooks.....do.....	1, 1, 564	2, 209	1, 971	979	750		9, 055	10, 200	8, 428	2, 915	7, 761
							1, 365	338	378	161	4, 891

No. 491.—GENERAL IMPORTS OF MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921-1925	1926-1930	1930	1931	1932	1933	1921-1925	1926-1930	1930	1931	1932	1933
GROUP 4. WOOD AND PAPER—Continued												
F. Paper and manufactures.												
Printing paper—												
Standard newspaper.....1,000 lbs.	2,374,511	4,242,903	4,559,303	4,133,812	3,584,260	3,587,082	105,239	151,219	147,461	125,623	94,135	77,447
All other, n. e. s.	13,335	8,219	2,601	3,000	3,639	4,189	90,895	134,239	131,800	112,170	84,721	68,495
Grease-proof and waterproof papers.....do.	12,306	1,584	1,033	337	7,237	8,318	1,249	328	294	75	57	83
Kraft wrapping paper.....do.	46,975	9,842	7,354	3,397	7,237	8,318	1,995	418	237	168	221	276
All other wrapping paper.....do.	13,139	8,870	2,540	2,903	2,538	1,746	1,672	292	143	136	79	66
Writing, letter, drawing, etc., papers.....do.		3,384	3,407	2,476	1,681	1,607		899	831	477	264	273
Writing paper and envelope combinations.....do.								263	253	92	34	34
Surface-coated.....do.	1,269	2,197	1,838	1,099	838	1,252	344	916	762	538	343	464
Uncoated paper, decorated or embossed.....do.		3,592	3,062	2,006	1,425	1,571	1,022	1,935	1,713	1,132	38	8
Tissue, copying, etc., paper.....do.	65,850	57,041	42,816	23,263	21,666	12,581	1,786	1,307	970	495	367	218
Pulp boards in rolls.....do.												
Paper boards, pulp boards, and cardboard.....do.		2,18,540	14,027	14,154	10,436	13,653	1,735	606	333	296	185	230
Leather board, test and wall board.....do.		1,514	1,615	2,344	2,366	10,192		172	103	121	135	369
Cigarette paper, cigarette books and covers.....do.												
Hanging paper (wall paper).....do.	111,275	12,241	14,108	20,737	17,442	15,349	3,362	3,618	4,301	5,996	4,141	3,426
Duplex decoumané, not printed.....do.	110,022	2,614	2,145	1,084	404	243	541	651	618	305	98	72
Paper boxes.....do.	1447	621	502	406	288	374	123	147	119	85	47	71
Pulp or papier-mâché and manufactures of, n. e. s.							1,294	1,435	1,252	969	700	403
All other paper and manufactures.....do.							3,423	461	543	418	265	366
								3,492	2,967	2,456	1,713	1,889
GROUP 5.—NONMETALLIC MINERALS												
Total.....	186,362	442,799	602,511	569,599	542,061	407,368	230,110	280,941	245,773	154,255	96,138	68,021
A. Coal and related fuels.....							12,330	7,572	6,988	6,186	5,137	4,065
Anthracite coal.....tons of 2,240 lbs.							1,560	3,626	4,376	4,143	3,629	2,617
Bituminous coal, shale, and lignite.....do.												
Bituminous coal, shale, and lignite.....do.	1,646	422	215	185	167	176	9,804	2,091	1,149	1,016	892	816
Bituminous coal, shale, and lignite.....do.	71,236	76	33	24	22	46	7,378	351	1,120	79	55	89
Bituminous coal, etc.....do.	1,572	346	182	161	145	130	13,199	1,740	1,029	937	837	727
Coke.....tons of 2,240 lbs.	88,327	152,412	118,459	92,467	104,710	143,637	1,881	1,361	1,044	691	370	484
Charcoal, briquets, etc.....do.							192	492	419	336	347	138

B. Petroleum and products									
Crude petroleum.....	1,000 bbls. of 42 gals.	94,887	67,919	62,129	47,250	44,700	51,924	90,793	131,901
Refined petroleum oil products.....	do.....	12,645	23,779	43,381	39,703	30,228	13,990	68,012	78,641
Topped, including fuel oils.....	do.....	9,673	15,290	26,080	24,998	21,725	13,933	22,314	51,798
Tops and other unfinished distillates.....	do.....		218	149	40	12	19	11,366	14,101
Gasoline, naphtha, and other finished light products.....	do.....	2,840	8,100	16,927	13,621	8,304	25	10,617	36,156
Illuminating oil (kerosene).....	do.....	1,112	148	200	11	78	9	155	482
Lubricating oils, including paraffin oil, do.....	do.....	1,728	24	25	32	19	4	1,190	314
Paraffin and paraffin wax.....	1,000 lbs.	10,453	25,290	30,402	37,835	33,255	36,635	566	1,472
C. Stone, sand, cement, and lime									
Marble, breccia, and onyx.....	In blocks, or sawed over 2 inches thick								
In blocks, or sawed over 2 inches thick	1,000 cu. ft.	587	777	760	287	146	59	1,220	1,884
Manufactures.....	do.....							333	374
Granite.....	1,000 cu. ft.				108	67	50		1,005
Other building or monumental stone, n e s.....	do.....								278
Other stone, n e s.....	do.....							938	914
Cement, Roman, Portland, and other hydraulic.....	1,000 bbls. ^a	1,553	2,055	982	470	468	478	2,582	2,852
Lime and limestone, crude.....	1,000 lbs.	145,351	57,842	59,580	43,401	33,301	21,010	1,368	357
Gypsum or plaster rock.....	tons of 2,240 lbs.	407,930	825,046	805,677	637,303	333,993	320,973	648	1,153
Crude.....	do.....								
Ground, calcined, cements, and other manufactures.....	do.....							103	193
D. Glass and glass products									
Cylinder, crown and sheet.....	1,000 lbs.	44,800	62,692	14,670	7,721	3,614	4,300	10,889	15,203
Plain.....	do.....				1,767	779	710	2,342	2,253
Bent, beveled, colored, etc.....	do.....							1,013	482
Plate glass.....	1,000 sq. ft.	15,896	15,935	5,298	4,887	1,170	596	8,246	4,234
Plain.....	do.....			5,298					
Bent, beveled, colored, etc., or silvered.....	do.....			577					
Rolled glass, ground, obscured, bent, beveled, colored, etc.....	do.....								
Bottles, vials, jars, and other containers.....	do.....							129	129
Pressed glass articles.....	do.....							428	428
Tubes and rods.....	do.....							221	221
Blown glass articles.....	do.....							172	172
Illuminating articles.....	do.....							162	162
Scientific articles and utensils.....	do.....							3,546	4,778
Other glassware.....	do.....							877	877
E. Average for years 1922-1925.									
F. Average for years 1924 and 1925.									
G. Average for years 1922-1925.									
H. Average for years 1922-1925.									
I. Average for years 1922-1925.									
J. Average for years 1922-1925.									
K. Average for years 1922-1925.									
L. Average for years 1922-1925.									
M. Average for years 1922-1925.									
N. Average for years 1922-1925.									
O. Average for years 1922-1925.									
P. Average for years 1922-1925.									
Q. Average for years 1922-1925.									
R. Average for years 1922-1925.									
S. Average for years 1922-1925.									
T. Average for years 1922-1925.									
U. Average for years 1922-1925.									
V. Average for years 1922-1925.									
W. Average for years 1922-1925.									
X. Average for years 1922-1925.									
Y. Average for years 1922-1925.									
Z. Average for years 1922-1925.									

^a "Cylinder, crown, and sheet" prior to 1923.

¹ Average for years 1922-1925.

² Average for years 1924 and 1925.

³ Average for years 1922-1925.

⁴ Average for years 1922-1925.

No. 491.—GENERAL IMPORTS OF MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

Group and article	Quantity						Value in thousands of dollars				
	1921-1925	1926-1930	1930	1931	1932	1933	1921-1925	1926-1930	1930	1931	1932
GROUP 5.—NONMETALLIC MINERALS—Continued											
F. Clay and clay products.											
Clays and earths—											
Kaolin, china, and paper clay											
Fluorspar.....	270, 129	278, 349	210, 911	135, 210	89, 086	103, 732					
Other clays, in s.....	4, 51, 539	56, 063	57, 949	18, 491	11, 818	9, 507	19, 835	23, 824	13, 224	10, 071	5, 568
Pottery.....											
China and porcelain wares—											
Domestic or household.....			6, 078	4, 708	4, 398	5, 594					
Hotel and restaurant.....			219	76	50	46					
Other china and porcelain.....											
Earthen, crockery, and stone ware—											
Table, toilet, and kitchen ware—											
Domestic or household.....			3, 888	2, 423	2, 308	3, 368					
Hotel ware, plain or decorated.....			338	98	54	50					
Sanitary earthenware.....				1, 139	800	817					
Common earthen and stone and Rocking-ham earthenware.....											
Tiles.....											
Bricks.....											
Precious stones and pearls and imitations.....											
Diamonds—											
Rough, uncut.....	153, 216	263, 862	209, 391	85, 249	40, 153	28, 885	68, 473	68, 838	40, 592	22, 992	12, 918
Cut, but not set.....	453, 028	430, 743	295, 351	201, 998	183, 103	178, 937	7, 831	10, 899	5, 641	3, 852	1, 648
Glasses, engravers', and miners' diamonds, not set.....	32, 425	61, 474	145, 958	224, 970	163, 704	263, 464	43, 692	39, 954	23, 268	11, 965	8, 360
Pearls and parts, not string or set.....							1, 087	2, 734	2, 757	2, 401	1, 062
Imitation precious stones.....							6, 741	6, 354	2, 782	1, 284	622
Other precious stones, rough, uncut.....							2, 184	3, 065	1, 788	1, 670	963
Other precious and semiprecious stones, cut but not set.....							640	272	181	369	76
G. Other nonmetallic minerals.											
Abrasives.....											
Natural abrasives—											
Corundum ore.....	2, 418	2, 707	2, 794	639	168	825	18, 384	24, 501	19, 865	12, 536	6, 430
Emery ore.....	5, 453	4, 544	3, 706	2, 103	602	262	3, 082	4, 040	3, 679	2, 364	829
							165	163	161	37	8
							159	101	64	34	6

Pumice stone and manufactures.....	13, 534	11, 947	6, 121	5, 617	3, 352	4, 143	1 123	132	95	77	51	27	28
Flint, unground..... tons of 2,240 lbs.							123	109	62	65	27	71	102
Other natural abrasives.....	60, 599	116, 825	78, 575	78, 575	17, 095	58, 711	1, 962	3, 129	2, 994	1, 861	610	1, 339	1, 339
Artificial abrasives, crude.....							378	405	303	180	165	207	207
Other abrasives and manufactures.....													
Asbestos—													
Crude (including blue fiber).....													
tons of 2,240 lbs.	151, 443	211, 253	4, 605	4, 605	1, 473	2, 914	5, 655	8, 706	2 134	611	187	413	413
do.....			61, 618	41, 777	27, 623	43, 114	3 120		3 120	1, 994	1, 227	2, 187	2, 187
do.....			115, 235	78, 369	57, 391	60, 805	1, 811		1, 811	1, 145	837	942	942
Stucco and other unmanufactured.....													
Shingles and slates of ash or cement.....	24, 153	62, 962	1, 820	1, 820	92		472	1, 126	61	28	3	40	40
Other manufactures.....	121, 501	106, 167	47, 488	65, 779	18, 280	19, 380	1, 064	893	457	728	281	278	278
Asphalt and bitumen..... tons of 2,240 lbs.													
Earthy and mineral substances and articles, n.e.s.							166	752	1, 082	851	463	408	408
Carbon and manufactures.....							323	507	401	316	232	167	167
Chalk—													
Unmanufactured..... tons of 2,240 lbs.	101, 968	103, 477	74, 112	58, 148	31	85, 190	143	124	108	98	61	95	95
Manufactures.....	1 14, 648	7, 276	2, 242	48		13	121	103	52	3	2	3	3
Grycolite or kryolith..... tons of 2,240 lbs.	8, 032	7, 132	8, 315	7, 908	3, 782	4, 141	506	573	606	581	291	298	298
Mica—													
Unmanufactured.....	691	1, 590	4, 555	4, 570	2, 956	3, 843	447	494	453	130	79	177	177
Mica splittings.....			2, 749	1, 206	907	1, 040	1, 437	1, 324	918	325	165	202	202
Cut, ground, or manufactured.....	1 5, 381	4, 077	42	15	126	556			70	4	7	14	14
Pyrites, or sulphuret of iron, containing more than 25 percent sulphur.....													
Talc, steatite, and French chalk.....	256	391	308	352	253	374	929	1, 038	1, 037	1, 496	691	1, 132	1, 132
Magnesian.....	35, 574	53, 174	50, 424	47, 686	39, 956	43, 891	368	573	509	437	357	384	384
Crude and calcined.....													
Dead burned and grain.....	167, 439	17, 234	8, 517	5, 937	3, 790	3, 721	1, 287	189	87	60	31	33	33
Salt.....			93, 873	41, 872	14, 045	31, 331		813	702	332	104	231	231
Graphite or plumbago.....	193, 983	100, 311	108, 530	67, 028	67, 708	58, 874	424	166	146	83	76	70	70
Mineral wax.....	29, 904	36, 861	33, 451	18, 180	14, 031	16, 106	553	829	625	280	151	211	211
Other nonmetallic minerals, n.e.s.	6, 358	9, 811	12, 475	8, 910	5, 150	6, 658	341	598	722	454	274	454	454
Machinery and vehicles.....							1, 379	1, 652	835	125	78	108	108
Total.....	1, 691	2, 709	2, 775	1, 469	582	861	943, 357	334, 072	266, 375	146, 081	74, 156	116, 011	116, 011
ore and concentrates.....							6, 955	6, 786	8, 113	3, 902	1, 539	2, 051	2, 051

**GROUP 6—METALS AND MANUFACTURES, EXCEPT
MACHINERY AND VEHICLES**

A. Iron ore and concentrates, 1,000 tons of 2,240 lbs... 1,691

⁵ Average for years 1924 and 1925.
⁷ Average for years 1922-1925.

an Average for years 1926-1929.

No. 491.—GENERAL IMPORTS OF MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921-1925	1926-1930	1930	1931	1932	1933	1921-1925	1926-1930	1930	1931	1932	1933
GROUP 6.—METALS AND MANUFACTURES, EXCEPT MACHINERY AND VEHICLES—Continued												
B. Iron and steel semifinished												
Granular or sponge iron..... tons of 2,240 lbs.		181	181	210	185	619	11,711	11,089	7,318	5,393	4,029	3,927
Pig iron..... do.	285,772	200,766	137,031	84,411	130,680	158,596	6,021	3,280	1,807	979	1,302	1,439
Iron and steel scrap..... do.	102,632	66,642	27,452	16,279	9,775	57,074	1,498	918	585	118	59	438
Steel bars..... 1,000 lbs.	269,262	164,372	108,337	202,434	132,648	54,765	21,664	3,606	2,303	2,562	1,240	860
Bar iron..... do.	15,153	7,437	3,081	1,913	1,131	1,118	394	188	102	48	26	31
Wire rods..... do.	9,600	32,102	19,808	16,936	17,771	20,880	316	877	585	472	397	748
Boiler or other plate iron or steel sheets..... do.	14,414	9,919	4,239	1,692	943	552	189	140	60	33	11	8
Steeltongs, blooms, slabs, etc..... do.	55,321	51,405	40,982	44,851	5,367	2,326	2,130	959	749	519	75	58
Sheets of iron or steel, skelp, saw plates, and steel, n. o. s..... 1,000 lbs.	5,371	43,440	59,570	36,180	48,901	20,833	251	964	1,248	601	442	290
Tin plate, terplate, and tappers tin..... do.	6,537	2,102	585	439	16,231	584	373	156	67	43	472	40
C. Steel-mill products—manufactures							7,707	17,309	12,196	9,047	5,563	5,893
Structural shapes and building forms												
Rails for railways..... 1,000 lbs.	62,635	320,440	269,547	162,017	81,866	65,621	1,232	4,895	4,094	2,226	642	610
Pipes and tubes..... do.	71,659	44,454	18,607	11,217	12,684	14,844	1,012	5,546	240	100	196	177
Cast-iron pipe..... do.	1106,271	214,007	74,632	50,250	16,099	16,566	12,790	5,471	2,714	1,905	679	761
Other pipes and tubes..... do.		120,455	26,598	14,877	560	2,037		1,707	319	183	6	26
Wire and manufactures—		84,552	48,054	35,373	15,539	14,518		3,764	2,395	1,722	673	735
Barbed wire..... do.		10,453	10,472	23,774	32,573	18,563		270	246	434	588	382
Round wire..... do.	18,276	10,328	9,484	5,715	4,217	7,044	1,792	720	590	338	212	368
Telegraph, telephone, and other insulated wire..... 1,000 lbs.												5
Flat wire and steel strips..... do.	14,300	5,403	2,462	1,613	2,239	2,968	1,871	63	34	26	8	
Card clothing..... 1,000 sq. ft.	1,322	259	161	128	73	205	1,498	413	256	464	480	720
Wire rope and strand..... 1,000 lbs.		5,018	5,817	4,367	4,037	3,748		2,402	465	174	70	240
Other wire manufactures..... do.							653	903	513	699	577	235
Hoop or band iron or steel for baling..... 1,000 lbs.		142,073	11,822	19,310	28,485	9,011		2,769	190	251	348	106
Hoop, band, or scroll iron and steel, n. o. s..... 1,000 lbs.		21,905	21,905	43,300	43,106	38,763		2,306	2,306	658	459	508
Nails..... do.	13,189	16,264	13,474	18,168	24,362	14,490	1,117	549	844	633	721	518
Castings and forgings..... do.	16,378	5,557	3,419	3,977	2,198	3,220	1,402	345	244	238	105	203
Tanks, drums, or vessels for gas or liquids..... number		181,288	217,437	214,618	163,110	198,092		685	609	558	288	423
Autoclaves, converters, separators, stills, ovens, etc., and parts..... do.								2,67	2,67	63	4	22
D. Iron and steel, advanced manufactures							8,343	6,973	5,137	3,237	2,183	2,581
Cutlery—												
Razors and parts..... thousands.....	7,219	47,780	64,419	2,385	690	345	354	402	420	159	89	127

Scissors, shears, and clippers.....do.....	4,562	1,429	1,089	1,015	1,106	718	682	285	217	173	96	82
Pen, pocket, and other folding-blade knives.....do.....	7,301	3,829	2,096	1,604	1,227	738	602	202	118	73	44	26
Other cutlery.....do.....	11,378	1,215	1,137	990	729	2,915	412	429	370	292	219	215
Enameled or glazed ware and utensils.....do.....	1,993	1,004	951	828	537	527	300	237	215	176	92	118
Tools.....1,000 lbs.	996	749	682	797	837	816	1,631	861	789	639	684	869
Needles, hand, sewing, and darning ¹ millions.....do.....							1,099	830	630	625	429	477
Other needles.....do.....							380	231	160	160	211	477
All other iron and steel manufactures, n. s. p. f.....do.....							4,206	3,406	2,217	990	461	397
E. Ferro-alloys.							13,299	13,463	17,669	11,219	4,512	6,379
Manganese ore—												
Product of—												
Cuba (Gross weight.....tons of 2,240 lbs.....do.....)	11,495	6,201	2,071	3,804	6,749	28,257	166	98	32	20	112	431
Other manganese ore (manganese content).....do.....	295,757	291,335	277,171	244,711	50,137	64,817	4,821	7,878	6,444	5,085	1,108	947
Iron-manganese and other alloys (manganese content) ².....do.....	61,510	45,347	38,452	17,763	14,586	32,442	5,244	4,682	3,992	1,607	1,011	2,707
Chromium or chromite.....do.....	113,752	290,515	330,531	212,528	89,143	116,511	965	2,268	3,513	3,315	1,626	1,426
Chromium and alloys.....do.....	11,994	1,139	363	213	516	222	1,185	126	36	24	84	65
Ferrosilicon (silicon content).....do.....	22,683	17,896	11,621	1,654	377	2,580	819	1,019	643	106	27	187
Tungsten and alloys (tungsten content).....do.....	11,262	3,642	3,014	1,151	109	666	349	1,154	1,629	246	19	169
Vanadium ore.....do.....	3,609	3,609	3,108					562	492			
Other ores of ferro-alloying metals.....do.....	14,952	16,341	69,117	69,117	75,262	87,227	541	15,43	86	177	288	226
Other ferro-alloying metals.....do.....							281	662	771	639	266	722
F. Nonferrous metals, except precious.												
Aluminum.							177,695	254,196	204,618	108,938	52,683	89,071
Bauxite, crude.....do.....	146,743	356,841	415,038	306,400	205,620	119,435	9,673	13,063	7,094	4,589	2,817	4,593
Metal, crude, scrap, and alloy.....do.....	37,280	51,576	24,499	13,804	8,005	16,711	690	1,611	2,008	1,496	1,043	990
Manufactures—							7,811	10,714	4,457	2,369	1,290	3,109
Plates, sheets, bars, etc.....do.....	125	48	48	169	120	169		30	15	42	29	47
Hollow ware.....do.....	139	92	92	116	127	100	1,172	654	519	615	432	45
Other manufactures.....do.....												422
Copper³							77,811	108,243	104,616	48,744	23,735	17,554
Copper ores, concentrates and regulus.....do.....	697,849	815,261	817,154	565,891	391,991	287,434	16,890	19,283	17,912	8,942	3,361	2,962
Ores (copper content).....do.....	133,996	162,832	162,894	124,457	59,940	52,728	10,905	12,551	11,395	1,683	717	795
Concentrates (copper content).....do.....	86,168	107,634	101,317	23,880	14,015	12,451	5,140	6,441	5,980	7,146	2,567	2,044
Regulus, coarse, metal, and cement copper (copper content).....do.....	41,863	52,603	56,871	99,408	44,195	37,833						
Unrefined, black, blister, and converter copper, in pigs, bars, etc.....do.....	5,965	2,594	4,706	1,469	1,731	2,443	755	301	336	113	76	142
Refined copper.....do.....	343,988	598,444	560,469	281,851	161,658	273,582	44,850	70,841	74,248	24,055	9,216	13,774
	107,309	115,700	86,210	174,450	167,794	10,863	14,918	16,841	11,374	15,489	10,674	614

¹ Average for years 1923-1925.
² Average for years 1928-1930.
³ June 15 to Dec. 31, 1930.
⁴ Average for years 1927-1930.
⁵ "Hand-sewing, darning, and shoe machine" prior to 1922.
⁶ Gross weight prior to Sept. 22, 1922.
⁷ Not including pounds of "Copper manufactures, n. s. f."

No. 491.—GENERAL IMPORTS OF MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921-1925	1926-1930	1930	1931	1932	1933	1921-1925	1926-1930	1930	1931	1932	1933
GROUP 6—METALS AND MANUFACTURES, EXCEPT MACHINERY AND VEHICLES—Continued.												
F. Nonferrous metals, except precious—Continued.												
Copper—Continued												
Scrap, scale, and clippings.....1,000 lbs.	9,334	10,042	7,499	5,100	2,530	261	953	1,088	836	278	101	16
Composition metal, copper chief value. do.	1,322	183	82	33	40	---	176	26	8	2	1	---
Copper manufactures, n e s.	---	---	---	---	---	---	113	194	239	118	81	169
Brass and bronze, and manufactures												
Old brass, etc., for remanufacture.....1,000 lbs.	---	---	---	---	---	---	4,889	3,427	2,550	1,441	668	586
Brass manufactures.....	49,147	9,993	7,145	4,423	2,517	2,170	3,764	822	530	215	64	86
Bronze manufactures.....	---	---	---	---	---	---	528	1,406	1,077	598	246	195
Brass manufactures.....	---	---	---	---	---	---	597	1,198	937	628	358	306
Lead (lead content) ¹⁰												
Ore, matte, and bullion.....1,000 lbs.	222,701	267,460	158,235	108,008	69,406	15,452	11,411	15,181	9,049	8,605	1,738	490
Ore and matte (lead content).....do.	57,975	78,151	78,754	41,776	42,002	11,917	2,825	4,409	4,236	1,413	1,004	201
Bullion or base bullion (lead content).....do.	---	---	---	---	---	---	---	---	---	---	---	---
Pigs, bars, old and scrap ¹⁰.....1,000 lbs.	130,812	178,695	77,261	64,640	26,924	3,174	6,796	9,212	3,086	1,616	519	95
Babbitt metal, solder, etc (lead content) n e s.	{	{	{	{	{	{	{	{	{	{	{	{
Manufactures of lead, n e s. (except type metal)	30,088	1,345	1,060	620	382	3	1,506	420	22	2	2	4
Type metal and an- gross weight. 1,000 lbs.	10,609	3,965	881	1,120	13	742	84	180	168	109	69	59
tinomol lead.....do.	4,317	3,265	741	952	11	139	1,332	276	44	28	1	39
Nickel												
Ore and matte.....1,000 lbs.	8,185	18,709	20,593	11,630	5,918	18,918	5,232	13,004	12,872	7,680	4,660	10,767
Nickel and alloys in pigs, etc.....do.	42,068	42,068	38,323	23,862	14,923	31,605	820	1,747	2,940	1,531	775	2,475
Nickel oxide.....do.	---	---	---	---	---	---	---	10,704	9,600	6,060	3,733	7,846
Nickel in bars, plates, sheets, etc., and manufactures.....do.	---	1,772	1,353	305	688	2,322	4,411	276	210	48	120	421
Tin												
Ore (tin content).....tons of 2,240 lbs.	5,812	194	289	30	17	24	2,703	116	177	7	4	11
Bars, blocks, pigs, etc.....1,000 lbs.	132,173	176,571	180,844	147,984	77,966	140,766	56,522	88,943	60,234	36,724	16,474	51,188
Zinc												
Ore (zinc content).....do.	10,537	26,657	51,776	1,560	3,808	4,267	462	1,118	1,990	40	72	78
Blocks, pigs, etc., and old.....do.	2,745	262	694	549	622	3,882	117	12	28	15	20	135
Zinc dust and other manufactures.....do.	---	---	---	---	---	---	144	106	63	25	18	18
Antimony												
Ore (gross weight).....1,000 lbs.	---	5,839	2,922	28,630	7,357	10,891	33	268	226	260	74	107
Antimony content.....do.	1,127	3,394	1,726	9,726	2,637	4,266	1,086	2,173	993	445	122	174
Needle, liquated, regulus, or metal do.	18,079	24,146	17,012	10,391	4,007	5,116	---	---	---	---	---	---

No. 491.—GENERAL IMPORTS OF MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921-1925	1926-1930	1930	1931	1932	1933	1921-1925	1926-1930	1930	1931	1932	1933
GROUP 7.—MACHINERY AND VEHICLES—Continued												
B, C, D. Industrial, office, etc., machinery—Contd.												
Textile machinery—Continued.												
Cotton-manufacturing machinery and parts.							\$ 262	413	318	130	72	146
Wool-manufacturing machinery and parts.							7 4, 213	368	327	148	66	152
Other textile machinery and parts.								1, 616	1, 398	751	616	685
Sewing machines and parts.							495	445	329	174	160	230
Antifriction balls, rollers, and bearings												
1,000 lbs.												
Cream separators, over \$50 each, and other centrifugal machines and parts.	1 895	1, 267	1, 120	547	272	494	708	1, 039	817	392	150	295
Other industrial, office, and printing machinery.								\$ 86	\$ 86	147	94	66
							4, 002	9, 678	8, 902	4, 814	2, 715	2, 884
E. Agricultural machinery and implements.												
Cream separators, not over \$50 each.—number.	1 20, 156	27, 554	15, 182	4, 624	2, 045	7, 508	2, 592	6, 470	8, 545	3, 287	989	1, 062
Plows and cultivators.—do.	1 3, 419	6, 682	4, 416	1, 435	525	613	1 212	597	292	74	36	146
Tractors.—do.		\$ 28	\$ 28	2, 008	18	69		\$ 14	\$ 14	1, 259	39	129
Headers, harvesters, and reapers.—do.		\$ 651	149	123	37	14		\$ 465	53	100	20	8
All other, including agricultural vehicles.							1, 947	5, 340	7, 833	1, 705	883	750
F. Automobiles and other vehicles, except agricultural.												
Automobiles and chassis.—number.							2, 023	8, 185	2, 989	2, 479	641	771
Bodies and parts of automobiles, except tires.	628	664	708	736	540	534	897	1, 168	875	789	251	298
Other vehicles and parts.								1, 341	983	465	229	121
GROUP 8.—CHEMICALS AND RELATED PRODUCTS							1, 126	666	532	1, 245	169	352
Total.							112, 100	132, 811	112, 070	82, 738	47, 862	59, 938
A. Coal-tar chemicals.												
Coal-tar products, crude—							16, 058	21, 370	16, 273	11, 164	9, 168	9, 997
Dead or creosote oil							8, 701	11, 802	7, 806	3, 598	2, 647	1, 131
Other crude coal-tar products.							888	1, 403	1, 376	793	577	971
Intermediates—												
Acids.—1,000 lbs.	297	1, 415	825	817	833	333	77	159	53	80	202	234
All other intermediates.—do.	2 257	1, 523	1, 423	875	936	1, 502	581	1, 035	1, 022	599	584	1, 327
Finished products—												
Colors, dyes, stains, color acids, and color bases, n. e. s.—1,000 lbs.	4, 164	5, 893	4, 952	4, 944	4, 245	5, 020	5, 831	6, 492	5, 284	5, 512	4, 088	6, 061

Coal-tar medicinals.....do.....	\$ 100	108	72	39	30	19	232	270	273	232	161	90
Other finished coal-tar products.....do.....		85	150	101	93	70	40	210	438	330	296	184
B. Medicinal and pharmaceutical preparations.												
Quinine sulphate.....1,000 oz.			1,263	1,460	462	1,639	4,917	6,573	4,948	3,792	2,530	3,805
All other quinine and other alkaloïds and salts from cinchona bark.....1,000 oz.	3,453	1,805					1,436	403	333	292	94	357
Other alkaloïds and salts of.....1,000 lbs.		1,125	877	755	321	1,256	546	240	136	101	146	146
Menthol.....1,000 lbs.	\$ 244	337	308	326	351	304	\$ 2,172	1,469	1,017	878	734	629
Antioxius, serums, vaccines, etc., and blistering beetles.....							115	6	5	3	1	2
Other medicinals.....							825	486	282	145	56	569
Preparations in capsules, pills, tablets, etc.											643	700
All other preparations, n. e. s.....							1,232	2,300	2,385	2,020	1,387	17,237
C. Industrial chemicals.												
Acetylene, butylene, ethylene, and propylene derivatives.....		1,282	1,282	587	334	1,052		1,29	1,29	73	37	99
Acids and anhydrides—												
Arsenous acid or white arsenic.....do.....	118,880	22,124	21,559	15,581	13,765	21,167	11,551	781	744	451	357	513
Formic.....do.....	11,436	1,937	510	140	139	239	1,107	143	37	8	8	13
Oxalic.....do.....	2,185	1,244	574	489	265	121	159	64	31	26	13	6
Sulphuric (oil of vitriol).....do.....	125,047	26,852	918	2,344	1,488	2,019	1,960	160	6	22	11	19
Tartaric.....do.....	13,074	2,293	2,912	2,246	1,818	597	1,654	611	779	477	238	104
Acetic or pyroligneous.....do.....		\$ 25,806	22,377	15,292	13,976	32,759		\$ 1,808	1,498	803	843	2,070
All other.....do.....		10,430	2,330	1,332	1,191	2,564	1,046	953	325	235	182	391
Alcohols, including fusel oil							541	379	32	11	11	11
Ammonium compounds—												
Chloride (mirrate).....1,000 lbs.	7,955	11,461	6,628	5,672	4,431	6,304	393	394	208	162	114	154
Nitrate.....do.....	11,512	10,079	8,165	6,706	6,415	7,001	1,632	395	264	192	146	134
All other.....do.....	1,219	1,201	661	526	215	830	1,104	60	39	30	10	71
Barium compounds.....do.....	114,039	13,772	6,706	4,186	1,780	1,572	1,317	263	98	95	39	61
Calcium compounds, n. e. s.....do.....	35,120	6,915	1,978	413	465	601	1,282	265	76	15	16	16
Cellulose products, n. e. s.....do.....		1,333	283	207	207	185		\$ 298	\$ 298	281	167	137
Cobalt oxide.....do.....	1,288	394	426	322	226	569	1,860	737	769	301	220	414
Copper sulphate (blue vitriol) gross wt.....do.....	\$ 2,836	3,901	5,964	2,644	3,307	54	\$ 128	187	283	105	91	2
Lime—												
Chlorinated, or bleaching powder.....do.....	5,147	2,961	2,370	2,017	2,252	1,907	107	76	64	60	62	61
Citrate of.....do.....	4,916	\$ 1,788					635	\$ 178				
Glycerin.....do.....	11,765	21,122	14,362	12,107	7,716	8,983	1,306	2,669	924	688	345	400
Crude.....do.....		14,717	10,131	5,382	6,265	6,265		1,617	662	526	204	233
Refined.....do.....		6,406	3,177	1,976	2,334	2,778		1,051	272	142	167	146
Iodine, crude.....do.....	304	696	494	279	632	1,412	847	2,330	1,788	998	2,226	2,936
Magnesium compounds.....do.....	\$ 24,425	19,446	10,942	11,926	11,470	11,433	\$ 205	222	172	198	146	161
Potassium compounds—												
Cyanide.....do.....	2,908	153	91	94	54	86	246	47	32	34	19	31
Carbonate.....do.....	8,530	16,502	18,241	15,167	10,457	13,457	368	759	848	664	429	654

1 Average for years 1923-1925 6 Average for years 1929 and 1930. 7 Average for years 1922-1925.

2 June 18 to Dec 31, 1930

3 Average for years 1924 and 1925.

4 Acetate, carbide, chloride, crude, and nitrate for 1921 and 1922 and acetate, crude, and chloride for 1923.

5 Average for years 1926 and 1927.

No. 491.—GENERAL IMPORTS OF MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921-1925	1923-1930	1931	1932	1933		1921-1925	1924-1930	1930	1931	1932	1933
GROUP 8.—CHEMICALS AND RELATED PRODUCTS.—Continued.												
C. Industrial chemicals.—Continued.												
Potassium compounds.—Continued.												
Hydroxide (caustic potash) ^a	12,065	12,870	9,325	8,023	6,735	4,979	6,735	773	493	452	253	394
Acids, tartar and wine lees.....	20,054	19,800	18,082	19,314	13,494	18,108	13,494	1,436	1,836	1,605	966	721
Crain of tartar.....	1,932	19,190	60	37	11	33	11	108	16	16	4	1
Chloride and perchlorate.....	9,660	13,624	15,106	12,416	11,404	11,404	13,770	395	541	439	416	581
Other potassium compounds, n. e. s. do.	12,152	11,320	3,943	7,067	3,114	2,692	3,114	830	251	341	168	213
Sodium compounds—												
Chlorate.....						707	1,105				25	39
Hydriate (salt cake).....						122,247	198,538			804	644	885
Cyanide.....	22,302	33,086	26,401	18,695	17,535	17,535	21,934	1,932	2,043	1,711	1,729	2,023
Ferrocyanide (yellow prussiate).....	1,970	1,551	1,590	1,185	1,354	1,354	611	1,190	137	102	118	61
Nitrite.....	3,745	540	61			3		1,566	20			1
All other n. e. s.						141	179	1,231	2,129	676	485	575
Radium salts.....		198	207					6,822	5,165	3,631	2,508	2,709
All other industrial chemicals.....								3,080	3,556	2,012	1,445	2,083
D. Pigments, paints, and varnishes.												
Mineral earth pigments—												
Iron oxide and iron hydroxide pigments												
1,000 lbs.....	23,801	17,038	12,087	9,709	13,202	7,728	11,147	1,240	392	255	171	257
Others and siennas.....	1,20,273	19,965	14,576	11,995				1,323	510	420	238	322
Other n.												
Chemical pigments—												
Lithopone and other zinc pigments												
1,000 lbs.....	19,319	19,177	15,042	11,354	11,187	9,447	11,187	871	886	429	272	313
Zinc oxide and leaded zinc oxide.....		\$ 1,246	\$ 1,246	2,914	5,345	5,345	2,064	1,593	\$ 90	189	242	245
All other.....			3,806	2,909	2,064	2,909		1,428	379	251	167	184
Paints, stains, and enamels.....									405	246	212	506
Varnishes.....	1,24	32	33	14	31	30		1,68	57	31	35	33
1,000 gals.....												
E. Fertilizers and materials.—1,000 tons of 2,240 lbs.	1,613	2,152	1,976	1,448	1,255	887		57,139	67,997	45,441	18,669	24,574
Nitrogenous—												
Calcium cyanamide or lime nitrogen												
tons of 2,240 lbs.....	59,990	132,442	144,522	51,314	63,842	62,543		3,049	4,862	1,537	1,628	1,416
Calcium nitrate.....	1,8,223	26,143	43,871	28,761	17,312	6,860		1,347	1,052	927	148	294
Sodium nitrate.....	780,430	839,008	868,694	550,013	50,430	50,430		37,158	33,252	21,112	1,472	2,343
Ammonium sulphate nitrate.....		14,38,249	8,141	3,193	1			15,2,175	391	176	(4)	
Guanos.....	14,801	28,783	40,431	13,849	59,772	24,231		4,525	1,247	504	490	1,118
Dried blood.....	4,25,883	10,804	11,333	8,885	3,739	3,739		4,415	679	359	92	192
Yankeeage ^a	8,574	24,040	33,784	114,285	307,311	351,250		847	11,002	3,196	5,410	6,179
Sulphate of ammonia.....	1,70,920	77,510	110,381	56,220	37,537	37,537		1,003	1,159	2,099	1,122	1,592
All other.....								1,2,181	2,562			

Phosphates—	Bone ash, dust, and meal and other animal carbon for fertilizers.....	31,470	59,864	59,680	48,979	30,118	28,500	1,717	1,475
	do.....	115,061	41,066	36,681	21,743	37,141	32,293	1,080	433
Other phosphate materials.....	do.....							2,905	2,795
	do.....							1,202	1,202
Potash fertilizers—	Chloride, crude (muriate of potash).....	131,597	220,168	273,256	180,539	78,338	105,533	7,654	9,630
	do.....	55,406	78,200	86,257	56,842	28,071	59,325	3,435	3,947
Sulphate, crude.....	do.....	4,336	9,800	12,799	15,509	17,067	25,593	620	708
	do.....	144,175	115,972	112,013	55,329	40,374	101,989	908	879
Nitrate, crude, or saltpeter.....	do.....	222,085	350,349	351,790	179,428	100,927	113,121	4,496	5,048
	do.....	134,295	13,943	547	488	351	449	217	5
Kainite.....	do.....							2,583	1,255
	do.....							4	3
Manure salts.....	do.....							185	92
	do.....							645	1,180
Other potash-bearing substances.....	do.....							566	371
	do.....							132	11
Fertilizers, compounded or chemically combined, containing nitrogen, phosphoric acid, and potash.....	do.....							396	220
	do.....							51	19
All other fertilizers.....	do.....							871	244
	do.....							1,092	911
F. Explosives.....	Powder and other explosives.....							105	7
	do.....							782	346
Firecrackers.....	do.....							94	38
	do.....							1,101	12
Fireworks and ammunition.....	do.....							7,076	2,184
	do.....							8,739	2,038
G. Soap and toilet preparations.....	Soap.....							3,064	2,038
	do.....							4,785	2,184
Castile.....	do.....							185,193	172,742
	do.....							185,193	172,742
Toilet.....	do.....							301	347
	do.....							552	556
All other.....	do.....							914	315
	do.....							184	125
Perfumery, bay rum, and toilet water.....	do.....							686	719
	do.....							2,142	2,142
Perfume materials.....	do.....							1,101	873
	do.....							7	3
Bath salts.....	do.....							721	242
	do.....							563	206
Cosmetics, powders, creams, etc.....	do.....							63,445	71,435
	do.....							63,445	71,435
Total.....	do.....							9,409	9,762
	do.....							640	591
A. Photographic goods.....	Cameras and parts.....							144	167
	do.....							1,133	854
Sensitized films, not exposed—	do.....							298	297
	do.....							388	321
Other than motion picture.....	do.....							35	21
	do.....							29	11
Motion picture.....	do.....							105	182
	do.....							217	128
Film negatives for motion pictures.....	do.....							213	140
	do.....							559	418
American films exposed abroad (negatives, undeveloped).....	do.....							568	418
	do.....							568	418
Film positives.....	do.....							568	418
	do.....							568	418
Other films and dry plates.....	do.....							568	418
	do.....							568	418
Photographic paper.....	do.....							568	418
	do.....							568	418

Classified as an inedible animal product beginning 1931

Average for years 1921-1925.
 "Hydrate" prior to Sept. 22, 1922
 All paints, colors, and varnishes, except zinc pigments prior to Sept. 22, 1922.

Average for years 1921-1925.
 Less than 500
 Average for years 1922-1925
 Average for years 1927-1930.

Average for years 1922-1925.
 Average for years 1924 and 1925.
 Average for years 1924-1930
 June 18 to Dec 31, 1930
 Average for years 1921, 1924, and 1925.

No. 491.—GENERAL IMPORTS OF MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

Group and article	Quantity						Value in thousands of dollars				
	1924-1925	1926-1930	1930	1931	1932	1933	1924-1925	1926-1930	1930	1931	1932
GROUP 9.—MISCELLANEOUS—Continued											
B. Scientific and professional instruments, apparatus, and supplies, n. e. s.											
Optical goods—		268									
Opera and field glasses—											
thousands—											
Other optical instruments and parts—			132	72	72	40	2,135	3,319	3,087	2,060	1,285
Spectacles, eyeglasses, and parts—							1,377	515	452	262	182
Dental and surgical instruments—							1,480	1,127	867	608	492
Philosophical and scientific, etc., instruments and apparatus—								165	112	21	8
								632	638	475	309
C. Musical instruments—											
Pianos and organs—								881	1,018	694	274
thousands—											
Other musical instruments and parts—							3,788	4,498	3,873	3,255	1,856
Photograph and similar articles and parts—							1,205	271	191	165	50
Band instruments and violins—							533	434	213	113	68
Other instruments, parts, and accessories—							1,657	669	638	489	318
Other instruments, parts, and accessories—							2,739	3,073	2,631	2,438	1,220
Other instruments, parts, and accessories—							7,638	5,709	5,530	4,759	3,365
D. Toys, athletic, and sporting goods—											
Toys—											
Dolls and parts—							1,323	1,033	1,054	858	506
Other toys—							5,143	3,491	3,188	2,857	1,990
Dolls, dominoes, chips, etc.—							1,124	109	119	171	104
Athletic and sporting goods—							456	450	499	319	236
Fishing rods, reels, hooks, bait, etc.—											
Balls for games, n. e. s. (not of rubber)—	1,853	920	1,089	2,751	10,639	4,932	1,575	109	103	162	355
Other athletic sporting goods—							7,369	516	567	392	184
E. Firearms—											
Books and other printed matter—							8,408	14,210	13,349	9,069	5,453
Books and pamphlets in foreign languages—								1,931	2,239	1,881	1,080
Books, maps, music, etc., 20 years old—								3,208	3,044	1,803	786
Other books, etc. (free)—							8,019	2,588	2,090	1,973	1,119
Books, pamphlets, music, maps, charts, and other printed matter, n. e. s.—											
Lithographic prints—											
Cigar bands, labels, and flaps—								4,630	3,875	3,086	1,763
Decalcomans—											
All other—											
Chronometers, clocks, and parts—											
Chronometers and clocks—											
Clock cases, parts, and materials—											
Watches and watch movements—											
Cases, dials, and parts of watches, n. e. s.—											
	2,063	3,938	2,423	893	406	426	11,807	13,892	8,881	4,069	1,661
							81	541	260	175	53
								625	443	175	23
								804	98	85	50
							6,444	9,726	5,902	2,975	1,178
							3,480	1,865	1,064	399	176

Jewels for watches, clocks, meters, etc.					1, 1,452	1,120	981	382	101	177
Recorders, meters, regulators, and similar instruments and parts, n. s. p. f.					1,189	395	193	73	25	10
I. Art works										
The production of American artists										
Original paintings, statuary, etc.					31,222	65,381	65,159	38,494	18,479	15,937
Statuary, regalia, etc., for religious or educational purposes					218	250	198	173	79	205
Works of art produced before 1830					6,787	13,749	14,151	7,446	3,504	3,825
Works of art for exhibition, presentation to public institutions, etc.					838	1,507	1,317	969	621	404
All other art works					22,324	47,764	46,773	27,501	13,507	10,093
J. Miscellaneous articles, n. o. s.										
Buttons—										
Pearl or shell										
All other					1,411	449	436	432	320	326
Pearls										
All other						964	965	423	327	653
Matches										
Having stained or colored stems										
In boxes containing 100 or less					3,502					
All other					441					
Beads and bead ornaments—										
Imitation pearl beads										
Other beads					1,305					
Fabrics and articles, chief value beads					1,751					
Pipes and smokers' articles										
Umbrellas, canes, and parts										
Brushes—										
Tooth										
Hair and other toilet brushes and parts do.										
Other brushes										
Combs, except metal										
Articles of casein, galalith, and cellulose compounds, except combs										
Pencils, crayons, lead, etc.										
Pens and penholders										
All other dutiable articles										
Household and personal effects, etc., of persons arriving in the United States										
Articles, imported under bond, for export within 6 months										
Articles the growth, produce, or manufacture of the United States, returned—										
Automobiles										
Containers										
All other										
K. Articles in group 9, ordinarily dutiable, imported free										
All other free articles										

* Average for years 1929 and 1930
 † Average for years 1922-1925

‡ Average for years 1921, 1924, and 1925
 § Average for years 1924 and 1924

† Average for years 1923-1925.
 ‡ June 18 to Dec. 31 1930.

23.—COMMERCE OF NONCONTIGUOUS TERRITORIES

GENERAL NOTE.—In the general foreign-trade statistics of the United States presented in the preceding section, the Philippines and Virgin Islands are treated as foreign countries and their trade with the United States is included while their trade with other countries is not included. On the other hand, Puerto Rico, Hawaii, and Alaska are treated as integral parts of the United States, so that trade between them and continental United States is not included, while trade between them and foreign countries is included; each of these three territories appears as a separate customs district. Neither trade of American Samoa and Guam with foreign countries nor shipments between them and United States are included in the general tables on foreign trade. See also Table 464, p. 405.

The tables in this section present the total foreign trade of each of the United States territories and possessions and show separately the trade with Continental United States (unless otherwise indicated) and with foreign countries, including other United States territories and possessions. Specie values are shown in this section for all years except 1933, for that year, dollar currency values.

No. 492.—IMPORTS AND EXPORTS OF ALASKA

NOTE.—In 1933 Alaska shipped domestic silver valued at \$34,674 to the United States.

Yearly average or year ended—	Merchandise imports			Merchandise exports			Shipments domestic gold to United States
	From United States ¹	From other countries	Total	To United States	To other countries	Total	
June 30:	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
1882-1885.....	680, 250	9, 198	-----	-----	24, 955	-----	-----
1886-1890.....	1, 455, 600	23, 697	-----	-----	8, 748	-----	-----
1891-1895.....	2, 422, 600	42, 539	-----	-----	15, 526	-----	-----
1896-1900.....	9, 843, 000	185, 182	-----	-----	135, 069	-----	-----
1901.....	13, 457, 000	557, 992	-----	-----	2, 534, 318	-----	-----
1902.....	-----	511, 830	-----	-----	2, 612, 021	-----	-----
1903.....	9, 509, 701	477, 463	9, 987, 164	10, 228, 569	1, 612, 128	11, 840, 697	-----
1904.....	10, 165, 110	607, 355	10, 772, 465	10, 165, 140	1, 565, 090	11, 730, 330	6, 347, 742
1905.....	11, 504, 255	1, 450, 310	12, 955, 165	10, 801, 446	1, 088, 165	11, 889, 611	9, 059, 023
1906.....	14, 869, 827	845, 291	15, 715, 118	9, 272, 337	1, 377, 398	10, 649, 735	12, 638, 608
1907.....	18, 402, 765	1, 134, 191	19, 536, 956	12, 155, 198	1, 489, 686	13, 644, 884	18, 564, 228
1908.....	16, 577, 903	776, 974	17, 354, 877	10, 967, 777	1, 857, 905	12, 825, 682	11, 490, 777
1909.....	17, 762, 600	647, 331	18, 409, 931	13, 110, 910	961, 101	14, 072, 011	17, 782, 493
1910.....	18, 670, 339	619, 348	19, 289, 687	12, 440, 380	1, 168, 014	13, 608, 394	18, 393, 128
1911.....	16, 205, 730	706, 171	16, 911, 901	14, 055, 329	1, 136, 745	15, 192, 074	15, 133, 671
1912.....	19, 417, 227	563, 503	19, 980, 730	21, 778, 064	1, 010, 072	22, 788, 136	17, 250, 019
1913.....	20, 827, 262	982, 271	21, 809, 533	24, 634, 987	1, 477, 991	26, 112, 978	14, 576, 015
1914.....	22, 461, 723	567, 399	23, 029, 122	21, 817, 408	1, 124, 239	22, 941, 647	12, 291, 672
1915.....	21, 260, 042	640, 886	21, 900, 928	27, 442, 335	1, 001, 389	28, 443, 724	15, 348, 666
1916.....	27, 086, 288	1, 066, 612	28, 152, 900	49, 468, 186	1, 426, 362	50, 894, 548	16, 195, 635
1917.....	38, 992, 049	1, 469, 524	40, 461, 573	60, 773, 859	2, 474, 894	63, 248, 753	15, 409, 529
1918.....	44, 280, 075	967, 532	45, 247, 607	71, 595, 414	2, 462, 470	74, 057, 884	12, 416, 660
Dec 31:							
1918 (6 mos.).....	11, 678, 122	863, 515	12, 541, 637	62, 992, 202	763, 285	63, 755, 487	6, 671, 848
1919.....	37, 476, 232	1, 449, 362	38, 925, 594	60, 479, 548	1, 542, 249	62, 021, 797	8, 105, 005
1920.....	36, 876, 865	1, 512, 118	38, 388, 973	60, 939, 061	1, 530, 035	62, 469, 096	6, 543, 313
1921.....	19, 274, 215	935, 013	20, 209, 228	36, 916, 924	1, 445, 042	38, 361, 966	6, 543, 430
1922.....	26, 777, 806	870, 927	27, 648, 733	51, 082, 995	1, 371, 490	52, 454, 485	6, 640, 978
1923.....	30, 631, 366	514, 466	31, 145, 832	53, 761, 494	1, 325, 773	55, 087, 267	5, 931, 896
1924.....	32, 046, 273	529, 618	32, 575, 891	54, 974, 168	1, 351, 380	56, 325, 548	4, 602, 746
1925.....	32, 352, 530	846, 981	33, 199, 511	56, 918, 746	901, 543	57, 820, 289	5, 219, 542
1926.....	31, 537, 337	543, 683	32, 131, 020	73, 300, 506	521, 881	73, 822, 387	5, 743, 076
1927.....	35, 604, 108	766, 302	36, 370, 410	51, 348, 688	483, 679	51, 832, 367	5, 394, 107
1928.....	32, 058, 976	559, 262	32, 618, 238	67, 587, 207	622, 738	68, 209, 945	6, 352, 204
1929.....	33, 220, 584	954, 273	34, 174, 857	63, 567, 677	607, 017	64, 174, 694	7, 126, 724
1930.....	31, 303, 291	1, 709, 636	33, 012, 927	48, 996, 962	347, 191	49, 344, 153	7, 631, 737
1931.....	22, 489, 895	546, 598	23, 036, 493	43, 276, 364	314, 908	43, 591, 272	8, 928, 795
1932.....	19, 573, 105	302, 451	19, 875, 556	30, 133, 355	235, 528	30, 418, 883	9, 261, 486
1933.....	20, 685, 622	131, 245	20, 816, 867	33, 131, 461	166, 281	33, 297, 742	9, 864, 479

¹ Unofficial estimates of the value of merchandise shipped from Pacific coast ports to Alaska from 1880 to 1901; from 1903 to date, official figures of shipments to Alaska.

Source. Bureau of Foreign and Domestic Commerce.

No. 493.—IMPORTS AND EXPORTS OF PUERTO RICO

Yearly average or year ended—	Merchandise imports			Merchandise exports		
	From United States	From other countries	Total	To United States	To other countries	Total
June 30:	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
1901-1905.....	11,055,407	2,200,837	13,256,244	10,485,414	3,743,050	14,228,464
1906.....	19,224,881	2,802,784	21,827,665	19,142,461	4,115,069	23,257,530
1907.....	25,688,285	3,580,887	29,269,172	22,070,133	4,926,167	26,996,300
1908.....	22,677,376	3,148,289	25,825,665	21,891,261	4,753,209	26,644,470
1909.....	23,614,545	2,925,781	26,540,326	26,391,312	3,946,913	30,338,225
1910.....	27,067,654	3,537,201	30,604,855	32,095,897	5,864,617	37,960,514
1911.....	34,671,958	4,115,039	38,786,997	34,765,409	5,152,958	39,918,367
1912.....	38,470,963	4,501,928	42,972,891	42,873,401	6,832,012	49,705,413
1913.....	33,155,005	3,715,057	36,900,062	40,538,623	8,561,942	49,100,565
1914.....	32,568,388	3,838,419	36,406,807	31,423,180	8,679,582	40,102,762
1915.....	30,929,831	2,954,465	33,884,296	42,311,920	7,044,987	49,356,907
1916.....	35,892,515	3,058,400	38,950,915	60,952,754	5,631,937	66,584,691
1917.....	49,539,249	4,005,975	53,545,224	73,115,224	7,855,680	80,970,904
1918.....	58,945,758	4,443,524	63,389,282	65,515,650	8,753,450	74,269,100
Dec. 31:						
1918 (6 months).....	25,668,096	1,796,219	27,464,315	31,333,827	3,733,065	35,066,892
1919.....	67,799,511	5,261,052	73,060,563	78,320,180	11,075,623	89,395,803
1920.....	121,561,574	7,512,404	129,073,978	158,322,083	16,346,697	174,668,780
1921.....	60,977,112	7,377,251	68,354,363	71,987,716	6,753,990	78,741,706
1922.....	57,968,112	6,849,098	64,817,210	60,105,155	5,012,292	65,117,447
1923.....	76,919,616	7,547,504	84,467,120	80,303,272	5,768,723	86,071,995
1924.....	78,412,003	9,337,444	87,749,447	77,330,748	7,397,792	84,728,540
1925.....	77,499,807	11,620,875	89,120,682	92,679,754	7,053,295	99,733,049
1926.....	84,737,537	12,664,064	97,401,601	90,166,856	7,579,594	97,746,450
1927.....	86,326,546	11,264,383	97,590,929	96,902,024	7,557,741	104,459,765
1928.....	91,940,283	13,325,628	105,265,911	97,268,763	6,398,231	103,666,994
1929.....	75,979,914	11,728,590	87,708,504	78,126,574	5,117,801	83,244,375
1930.....	79,219,219	10,318,649	89,537,868	99,880,061	4,068,810	103,948,871
1931.....	60,636,751	7,874,291	68,511,042	87,911,706	3,172,479	91,084,185
1932.....	48,730,141	7,256,335	55,986,476	74,290,250	2,127,827	76,418,077
1933.....	51,696,988	6,146,587	57,843,575	76,211,940	2,449,143	78,661,083

No. 494.—IMPORTS AND EXPORTS OF HAWAII

Yearly average or year ended—	Merchandise imports			Merchandise exports		
	From United States	From other countries	Total	To United States	To other countries	Total
June 30:	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
1901-1905.....	11,459,879	3,165,206	14,778,085	28,029,059	64,698	28,093,757
1906.....	12,036,675	3,275,242	15,311,917	26,882,199	56,813	26,938,512
1907.....	14,435,725	4,151,709	18,587,434	29,071,813	229,914	29,301,727
1908.....	15,038,155	4,682,399	19,720,554	41,640,505	597,640	42,238,145
1909.....	17,780,778	4,033,574	21,814,352	40,432,945	84,152	40,517,097
1910.....	20,560,101	4,606,334	25,166,435	46,183,265	306,763	46,490,028
1911.....	21,925,177	5,190,449	27,115,626	41,207,651	730,642	41,938,293
1912.....	24,652,905	5,598,444	30,251,349	55,076,070	373,273	55,449,343
1913.....	30,646,089	6,873,531	37,519,620	42,713,184	758,646	43,471,830
1914.....	25,773,412	6,282,558	32,055,970	40,678,580	915,215	41,593,825
1915.....	25,004,764	5,716,023	30,720,787	62,087,250	377,509	62,464,759
1916.....	31,127,577	6,068,529	37,196,106	61,438,297	226,747	61,665,044
1917.....	44,330,475	6,482,951	50,813,426	73,174,343	923,747	74,098,090
1918.....	43,646,515	6,807,048	50,453,563	79,392,926	1,553,700	80,946,626
Dec. 31:						
1918 (6 months).....	19,061,246	5,476,008	24,537,254	42,224,209	4,152,299	46,376,508
1919.....	49,953,869	8,980,704	58,934,573	98,363,015	4,702,103	103,065,118
1920.....	62,052,453	12,284,592	74,337,045	192,382,185	3,537,693	195,920,884
1921.....	64,446,173	9,529,755	73,975,928	71,669,115	1,850,483	73,519,598
1922.....	53,585,740	7,496,913	61,082,653	73,431,301	1,257,268	74,688,569
1923.....	66,421,393	8,684,804	75,106,197	101,085,642	1,581,164	102,666,806
1924.....	79,767,693	8,884,223	78,651,916	108,473,292	1,415,911	109,889,203
1925.....	62,924,409	10,829,509	73,753,918	102,780,509	1,844,782	104,625,291
1926.....	76,262,624	10,254,565	86,517,189	98,260,941	1,884,079	100,145,020
1927.....	79,630,089	9,171,815	88,801,904	109,236,321	2,267,714	111,504,035
1928.....	77,762,940	10,361,293	88,124,233	116,956,090	2,623,745	119,479,835
1929.....	82,950,789	9,752,667	92,703,456	106,312,833	2,126,270	108,439,103
1930.....	81,726,404	9,399,645	91,126,049	98,923,737	1,992,046	100,915,783
1931.....	79,092,457	7,864,409	86,956,866	101,548,555	1,189,280	102,737,835
1932.....	58,578,449	5,051,628	63,630,077	82,688,205	760,091	83,448,296
1933.....	57,894,488	5,233,481	63,127,969	93,641,887	675,809	94,317,696

¹ Average for years 1903, 1904, and 1905

Source of Tables 493 and 494: Bureau of Foreign and Domestic Commerce.

No. 495.—IMPORTS AND EXPORTS OF THE PHILIPPINE ISLANDS

Yearly average— year ended—	Merchandise imports			Merchandise exports		
	From United States ¹	From other countries	Total	To United States	To other countries	Total
June 30:	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
1901-1905.....	4,245,948	27,652,100	31,898,048	10,178,525	18,394,005	28,572,530
1906.....	4,333,893	21,465,373	25,799,266	11,579,411	20,337,723	31,917,134
1907.....	5,155,359	23,630,496	28,785,855	12,079,204	21,634,153	33,713,357
1908.....	5,079,487	25,838,870	30,918,357	10,323,233	22,493,334	32,816,567
1909.....	4,691,770	23,100,627	27,792,397	10,215,331	20,778,232	30,993,563
1910.....	10,775,301	26,292,329	37,067,630	18,741,771	21,122,398	39,864,169
1911.....	19,483,658	30,350,064	49,833,722	16,716,956	23,061,673	39,778,629
1912.....	20,004,155	33,945,825	54,549,980	21,517,777	28,802,059	50,319,836
1913.....	25,387,085	30,940,498	56,327,583	19,848,885	33,834,441	53,683,326
1914.....	28,571,821	27,439,749	56,011,570	22,047,105	29,190,943	51,238,048
1915.....	22,394,381	22,085,480	44,479,861	23,001,275	27,913,786	50,915,061
1916.....	23,804,367	22,169,258	45,973,625	28,638,526	32,825,505	61,464,031
1917.....	27,516,556	24,466,722	51,983,278	43,125,393	28,589,982	71,715,375
1918.....	49,799,229	33,964,061	83,763,290	77,010,233	39,604,378	116,614,611
Dec. 31:						
1918 (6 months).....	31,949,240	21,671,502	53,620,742	50,920,499	24,518,860	75,439,359
1919.....	75,491,415	43,147,637	118,639,052	56,453,173	56,684,660	113,117,833
1920.....	92,289,778	57,148,505	149,438,283	105,216,263	45,907,593	151,123,856
1921.....	74,130,015	41,708,569	115,838,574	50,356,793	37,758,530	88,115,323
1922.....	47,738,326	32,459,319	80,197,645	64,111,601	31,471,697	95,583,298
1923.....	50,352,535	37,447,212	87,799,747	85,047,023	35,705,967	120,752,990
1924.....	60,399,380	47,611,515	108,010,895	97,313,903	38,030,760	135,344,663
1925.....	69,297,583	50,435,251	119,732,834	109,044,942	39,823,263	148,877,205
1926.....	71,675,618	47,723,374	119,298,992	100,003,215	36,881,105	136,884,320
1927.....	71,478,297	44,373,175	115,851,472	116,038,250	39,535,835	155,574,085
1928.....	83,858,068	50,798,830	134,656,898	115,585,876	39,468,670	155,054,546
1929.....	92,592,959	54,567,316	147,160,275	124,465,473	39,981,370	164,446,843
1930.....	78,183,028	44,909,926	123,092,954	105,342,061	27,825,067	133,167,128
1931.....	62,139,683	37,039,036	99,178,719	83,422,397	20,549,677	103,972,074
1932.....	51,297,750	28,097,335	79,395,085	82,847,867	12,690,214	95,538,081
1933.....	43,540,000	31,196,000	74,736,000	91,314,000	14,457,000	105,771,000

¹ The discrepancy between the United States figures of exports to the Philippines prior to 1911 and the Philippine figures of imports from the United States in corresponding periods is due chiefly to the fact that the Philippine import figures prior to that year omit merchandise imported free of duty for the use of the Government or for use in construction and equipment of railways in the islands, under the act of Feb. 6, 1905, while the United States returns omit only Government supplies carried by Government vessels.

Sources: Reports of the War Department and Annual Report of the Insular Collector of Customs, 1878.

No. 496.—IMPORTS AND EXPORTS OF AMERICAN SAMOA

Year ended—	Merchandise imports			Merchandise exports		
	From United States	From other countries	Total	To United States	To other countries	Total
June 30:	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
1916.....	100,507	17,787	118,294	62,062	.....	62,062
1917.....	93,626	16,688	110,314	198,496	.....	198,496
1918.....	94,334	51,565	145,899	118,520	.....	118,520
Dec. 31:						
1918 (6 months).....	66,409	48,033	112,442	136,071	.....	136,071
1919.....	95,329	37,630	132,959	90,421	.....	90,421
1920.....	126,185	99,110	225,295	98,213	.....	98,213
1921.....	127,654	94,833	222,487	117,446	.....	117,446
1922.....	96,317	100,586	196,903	98,216	.....	98,216
1923.....	97,396	101,484	198,860	95,164	.....	95,164
1924.....	91,309	103,053	194,362	102,895	47,385	150,280
1925.....	92,514	99,898	192,412	26,712	123,621	150,333
1926.....	231,052	87,088	318,140	78,033	(1)	(1)
1927.....	120,877	82,491	203,368	40,852	(1)	(1)
1928.....	106,260	98,490	204,750	179,068	(1)	(1)
1929.....	113,287	88,084	201,971	166,756	(1)	(1)
1930.....	142,393	63,667	206,060	140,422	(1)	(1)
1931.....	103,659	79,788	183,447	60,287	(1)	(1)
1932.....	99,064	58,536	157,600	29,077	(1)	(1)
1933.....	84,690	83,824	168,514	20,966	(1)	(1)

¹ Not available.

Source: Returns to the Navy Department.

No. 497.—IMPORTS AND EXPORTS OF THE VIRGIN ISLANDS

NOTE.—For 1910 to 1917, figures for trade with United States cover years ended June 30, for total trade years ended Mar. 31, thereafter, all figures cover calendar years

Year (see headnote)	Merchandise imports			Merchandise exports		
	From United States ¹	From other countries	Total	To United States ¹	To other countries	Total
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
1910.....	749,174	.....	1,296,774	403,926	.....	469,908
1911.....	810,537	.....	1,724,826	135,117	.....	543,526
1912.....	924,700	.....	1,683,072	489,639	.....	518,924
1913.....	894,087	.....	1,647,356	48,031	.....	282,152
1914.....	890,966	.....	1,712,103	29,374	.....	331,188
1915.....	703,354	.....	1,518,769	350,822	.....	378,869
1916.....	850,377	.....	1,222,509	63,496	.....	260,045
1917.....	1,438,904	.....	(²)	1,239,607	.....	(²)
1918.....	1,640,103	252,326	1,892,429	1,137,501	111,845	1,249,346
1919.....	1,804,117	472,395	2,276,512	1,593,120	326,405	1,919,525
1920.....	3,993,478	862,619	4,856,097	4,540,386	208,933	4,749,319
1921.....	2,622,396	416,354	3,038,750	734,674	149,061	883,735
1922.....	1,647,353	362,598	2,009,951	734,476	101,029	835,505
1923.....	1,617,625	323,142	1,940,767	414,609	99,433	511,012
1924.....	1,668,495	360,223	2,028,718	394,085	67,471	461,556
1925.....	1,915,277	(²)	(²)	1,020,748	(²)	(²)
1926.....	1,799,444	(²)	(²)	810,410	(²)	(²)
1927.....	2,053,340	(²)	(²)	968,463	(²)	(²)
1928.....	2,277,030	(²)	(²)	1,195,314	(²)	(²)
1929.....	2,298,269	(²)	(²)	603,323	(²)	(²)
1930.....	1,672,903	(²)	(²)	768,342	(²)	(²)
1931.....	1,250,406	(²)	(²)	408,932	(²)	(²)
1932.....	929,980	(²)	(²)	405,163	(²)	(²)
1933.....	1,075,512	(²)	(²)	516,846	(²)	(²)

¹ United States customs area.² Not available

Sources. Total trade, 1910 to 1915, from Danish Yearbook; 1916, from "The Virgin Islands of the United States of America", by Luther K. Zabriski, all other figures from Bureau of Foreign and Domestic Commerce.

No. 498.—IMPORTS AND EXPORTS OF GUAM

Year ended—	Merchandise imports			Merchandise exports		
	From United States	From other countries	Total	To United States	To other countries	Total
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
June 30.....	.....	.....	.....	.....	.....	.....
1916.....	177,163	79,785	256,948	33,306	29,007	62,313
1917.....	114,301	172,351	286,652	46,972	33,363	80,335
1918.....	221,241	136,906	358,147	68,742	63,016	131,758
Dec. 31:						
1918 (6 months).....	108,460	71,543	180,003	2,901	36,059	38,960
1919.....	308,465	138,716	447,181	49,222	15,330	64,552
1920.....	234,960	120,692	355,652	28,432	22,066	50,498
1921.....	304,111	179,573	483,684	15,566	24,776	40,342
1922.....	424,411	171,709	596,120	49,426	13,505	62,931
1923.....	456,824	217,732	674,556	77,109	16,977	94,086
1924.....	380,506	252,215	632,721	55,192	10,903	66,095
1925.....	324,619	261,216	585,835	89,219	10,735	99,954
1926.....	275,230	218,125	493,355	86,298	32,730	119,028
1927.....	208,660	195,617	404,277	112,863	41,408	154,271
1928.....	326,844	334,420	661,264	124,677	117,855	242,532
1929.....	290,980	521,325	812,315	54,688	203,681	258,369
1930.....	375,276	293,143	668,419	113,151	84,409	197,560
1931.....	300,728	278,559	579,287	37,800	44,110	81,910
1932.....	213,957	242,904	456,861	9,129	40,555	49,684
1933.....	181,266	197,725	378,991	5,155	57,294	62,449

Source: Returns to the Navy Department.

No. 499.—SHIPMENTS OF PRINCIPAL PRODUCTS TO THE UNITED STATES FROM ALASKA, HAWAII, PUERTO RICO, AND THE PHILIPPINE ISLANDS

NOTE.—Totals include items not shown separately. For gold shipments from Alaska see Table 492

Territory and product	Quantity			Value (thousands of dollars)			
	1931	1932	1933	1930	1931	1932	1933
ALASKA							
Animals.....number.....	726	124	222	146	23	4	11
Reindeer meat.....1,000 lbs.....	1,016	247	434	158	100	25	43
Fish.....	304,414	298,872	297,739	34,950	35,415	25,464	28,762
Halibut, fresh and frozen.....do.....	13,634	7,937	8,000	1,402	1,463	657	605
Salmon, fresh and frozen.....do.....	7,697	7,538	6,829	757	825	544	524
Canned salmon.....do.....	267,292	259,166	260,677	30,084	31,161	22,145	25,621
Cured or preserved fish.....do.....	14,006	21,895	20,475	2,207	1,415	1,445	1,540
Shellfish.....do.....	1,785	2,336	1,758	441	551	673	472
Other fish products:							
Meal.....tons ¹	7,007	8,773	10,063	676	344	268	341
Oil.....1,000 galls.....	2,129	2,559	3,209	979	379	308	421
Furs and fur skins.....number.....	637,346	567,786	362,612	3,147	2,811	1,702	2,028
Whale oil.....1,000 galls.....		767	332	409		116	74
Stone, including marble.....tons ¹	149,148	87,645		106	75	141	
Wood, timber, and lumber.....M ft.....	1,984	567	851	178	35	21	43
Copper (ore, matte, regulus).....1,000 lbs.....	22,055	10,807	101	5,431	2,080	723	8
Lead (ore, matte, regulus).....do.....	3,432	2,545	2,402	140	151	81	86
Total Alaskan products.....				48,467	41,540	28,976	31,937
Articles produced in U. S. returned.....				1,510	1,601	1,103	1,146
Total foreign merchandise.....				1,020	135	104	49
Total, all merchandise.....				48,997	43,276	30,183	33,132
HAWAII							
Fish, dried, canned, etc.....1,000 lbs.....	1,399	877	1,703	376	300	145	304
Coffee.....do.....	6,637	7,760	4,158	1,093	1,067	926	536
Fruits.....				37,890	35,463	20,680	24,017
Bananas.....bunches.....	123,997	90,514	94,090	118	122	88	92
Pineapples (canned).....1,000 lbs.....	484,276	388,069	434,884	37,728	35,341	20,592	23,925
Hides and skins.....do.....	1,568	1,401	1,558	146	95	53	82
Molasses.....1,000 galls.....	14,341	11,167	7,604	1,330	532	318	201
Sugar:							
Unrefined.....1,000 lbs.....	1,915,791	1,993,226	2,029,962	53,619	59,825	55,600	63,454
Refined.....do.....	20,138	48,641	45,846	1,615	940	1,988	2,041
Paper and manufactures.....do.....	1	1,402	11,073	2	1	47	371
Alcohol, denatured.....1,000 galls.....	136	372	231	31	75	136	105
Total Hawaiian products.....				96,519	98,882	80,494	91,463
Articles produced in U. S. returned.....				2,349	2,554	2,168	2,121
Total foreign merchandise.....				55	113	26	58
Total, all merchandise.....				98,924	101,549	82,688	93,642
PUERTO RICO							
Cotton and manufactures.....				13,117	12,443	9,561	12,308
Handkerchiefs.....1,000 doz.....	1,298	1,885	1,605	690	985	1,267	920
Wearing apparel.....do.....	1,570	1,382	2,264	11,645	10,400	7,343	10,800
Linen manufactures.....do.....				202	234	539	943
Silk dresses and underwear ².....do.....		86,785	51,929	384	703	1,341	654
Hats of straw or fiber.....do.....	64,013	58,698	58,588	86	281	241	381
Fruits.....				6,792	5,447	2,948	2,022
Grapefruit, fresh.....boxes.....	807,994	284,060	227,067	2,847	2,399	863	679
Oranges, fresh.....do.....	61,373	19,235	14,487	1,564	1,564	48	39
Pineapples, fresh.....crates.....	710,648	576,489	410,223	1,761	2,260	1,764	1,237
Grapefruit, canned, etc.....1,000 lbs.....	6,446	3,649	293	1,103	472	246	19
Pineapples, canned, etc.....do.....	2,580	606	185	369	160	27	10
Cocoanuts.....thousands.....	11,092	10,495	4,631	242	281	215	124
Hides and skins.....1,000 lbs.....	907	930	1,174	116	71	52	75
Manganese ore.....tons ¹	2,374	2,302	1,638	85	87	66	66
Alcohol.....galls.....	840,480	1,010,887	1,259,353	378	207	313	354
Sugar and molasses:							
Sugar.....1,000 lbs.....	1,515,330	1,788,890	1,524,500	57,391	51,887	51,864	49,218
Molasses.....1,000 galls.....	29,856	23,332	31,374	1,789	1,084	708	788
Leaf tobacco.....1,000 lbs.....	16,565	5,699	15,255	11,552	8,996	2,682	5,913
Stems, scraps, etc.....do.....	5,335	4,252	3,875	1,200	1,073	794	536
Cigars and cheroots.....thousands.....	162,208	76,266	63,715	3,944	3,230	1,668	1,317
Total Puerto Rican products.....				98,581	86,922	73,594	75,550
Articles produced in U. S. returned.....				1,086	970	653	649
Total foreign merchandise.....				213	20	43	13
Total, all merchandise.....				99,880	87,912	74,290	76,212

¹ Of 2,240 pounds.² Silk manufactures 1930 and 1931.

No. 499.—SHIPMENTS OF PRINCIPAL PRODUCTS TO THE UNITED STATES FROM ALASKA, HAWAII, PUERTO RICO, AND THE PHILIPPINE ISLANDS—Continued

Territory and product	Quantity			Value (thousands of dollars)			
	1931	1932	1933	1930	1931	1932	1933
PHILIPPINE ISLANDS ²							
Sugar.....1,000 lbs.	1,635,336	2,080,837	2,460,127	51,398	49,899	57,122	66,516
Oil cake and meal (coconut).....do.	13,371	7,495	21,335	380	111	61	128
Coconut meat, prepared.....do.	37,133	36,303	39,694	3,277	1,939	1,593	1,655
Copra.....do.	267,471	198,526	442,168	12,493	6,574	3,431	6,009
Coconut oil.....do.	325,175	249,117	316,078	19,901	15,272	7,619	8,556
Unmanufactured tobacco.....do.	4,144	3,560	1,627	528	554	433	143
Cigars and cheroots.....do.	2,056	2,192	1,824	2,997	3,103	3,066	2,673
Cotton wearing apparel.....do.				3,106	2,044	2,690	1,831
Cordage.....1,000 lbs.	5,380	4,942	7,940	961	547	445	656
Manila fiber.....tons ¹	30,461	25,552	32,252	8,512	2,910	1,606	1,833
Hats of straw, etc.....thousands.	351	399	802	873	449	336	643
Sawed cabinet woods.....M. ft.	17,965	6,936	15,411	1,367	866	256	491
Articles produced in U. S. returned.....				499	374	361	423
Total, all merchandise.....				109,390	87,133	80,877	93,048

¹ Of 2,240 pounds.² Data represent shipments to the United States customs area.

Source: Bureau of Foreign and Domestic Commerce

No. 500.—SHIPMENTS OF MERCHANDISE FROM THE UNITED STATES TO ALASKA, HAWAII, PUERTO RICO, AND THE PHILIPPINE ISLANDS: VALUES

NOTE.—Values in thousands of dollars Totals include items not shown separately

Commodity group or item	Alaska		Hawaii		Puerto Rico		Philippine Islands ¹	
	1932	1933	1932	1933	1932	1933	1932	1933
Total merchandise.....	18,573	20,686	38,578	57,894	48,780	51,697	44,870	44,645
Animals and Animal Products.....	2,321	2,241	5,791	5,670	7,687	7,742	3,573	3,299
Meat products.....	933	929	2,128	2,128	2,506	2,343	313	372
Eggs.....	319	321	429	395	71	102	5	15
Milk, condensed, evaporated, etc.....	277	266	573	632	384	313	1,712	1,308
Butter and cheese.....	411	419	724	825	437	440	65	87
Fish.....	60	57	673	626	329	217	547	587
Animal fats and oils, edible.....	48	36	94	29	1,630	1,789	14	---
Boots and shoes.....	102	74	605	530	2,037	2,186	135	156
Other leather manufactures.....	21	21	215	213	125	136	204	95
Vegetable Food Products and Beverages.....	2,695	2,991	9,112	10,159	10,663	12,333	3,628	3,642
Grains and preparations.....	476	488	3,234	3,783	6,826	8,222	1,884	1,792
Rice.....	38	38	2,107	2,592	4,787	5,680	6	6
Wheat flour.....	224	249	618	697	1,230	1,561	1,718	1,631
Biscuits and crackers.....	94	92	106	110	366	292	91	71
Fodders and feeds.....	82	79	1,404	1,444	481	487	9	11
Vegetables.....	538	533	1,434	1,406	2,140	2,322	386	479
Beans, dried.....	16	19	46	62	1,013	1,215	7	4
Potatoes.....	91	103	179	219	388	404	10	26
Canned vegetables.....	240	243	408	380	178	100	160	186
Fruits.....	472	460	1,161	947	247	334	555	500
Oranges.....	62	55	391	310	---	---	145	136
Apples.....	53	53	141	127	39	45	127	120
Canned and preserved fruits.....	174	170	270	232	93	151	92	85
Coffee.....	249	229	152	129	188	1	262	290
Sugar.....	289	301	78	42	6	5	22	22
Confectionery.....	188	189	515	482	206	344	180	141
Beverages and fruit juices.....	120	439	226	966	274	386	37	60
Vegetable Products, Inedible, Except Fibers and Wood.....	935	884	4,313	3,794	3,808	3,576	3,645	4,186
Rubber manufactures.....	197	230	1,275	1,215	716	721	974	1,248
Boots and shoes ²	94	118	29	35	155	155	10	36
Automobile tires: Casings.....	25	28	932	876	373	362	634	841
Tobacco:								
Leaf.....	---	---	---	---	608	473	412	589
Cigars and cheroots.....	92	82	175	155	5	4	---	---
Cigarettes.....	386	324	2,071	1,673	2,254	3	1,672	1,760
Smoking.....	157	154	462	443	3	2,159	20	16

¹ Data represent shipments from the United States customs area.² Includes canvas shoes with rubber soles.

No. 500.—SHIPMENTS OF MERCHANDISE FROM THE UNITED STATES TO ALASKA, HAWAII, PUERTO RICO, AND THE PHILIPPINE ISLANDS: VALUES—CON.

[Values in thousands of dollars]

Commodity group or item	Alaska		Hawaii		Puerto Rico		Philippine Islands ¹	
	1932	1933	1932	1933	1932	1933	1932	1933
Textiles	1, 223	1, 235	4, 656	4, 308	10, 004	10, 599	11, 517	9, 881
Sewing, crochet, and embroidery cotton.....	3	-----	100	99	161	219	519	478
Cotton cloth, excluding duck and tire fabric.....	35	37	885	893	5, 043	5, 439	8, 306	6, 938
Cotton wearing apparel.....	223	234	881	954	1, 650	1, 287	160	115
Other cotton manufactures.....	133	154	557	472	914	1, 124	896	791
Bags of jute.....	32	20	90	67	177	107	69	101
Cordage and twine (cotton, jute, and other).....	148	171	92	87	131	139	70	101
Wool wearing apparel.....	173	192	302	232	239	301	24	18
Other wool manufactures.....	37	38	206	197	79	107	27	21
Silk manufactures.....	64	62	589	465	245	521	597	607
Rayon and other synthetic textiles.....	18	16	206	201	572	518	421	388
Wood and Paper	1, 069	1, 342	3, 664	3, 322	2, 841	2, 873	1, 272	1, 349
Logs and timber.....	38	50	119	114	118	75	7	1
Boards, planks, and deals.....	129	173	791	744	878	981	34	26
Box shooks.....	21	78	94	81	220	39	2	2
Wood furniture.....	70	65	342	239	413	488	11	15
Paper and manufactures.....	512	567	1, 873	1, 816	1, 065	1, 074	1, 100	1, 165
Nonmetallic Minerals	1, 696	1, 844	8, 292	8, 290	2, 218	2, 601	4, 462	5, 335
Coal.....	261	194	33	17	47	140	-----	-----
Petroleum and products.....	1, 139	1, 332	6, 800	7, 128	1, 528	1, 725	4, 060	4, 817
Gasoline.....	545	713	4, 144	4, 167	677	982	1, 700	2, 115
Illuminating oil.....	54	68	531	620	320	358	916	1, 065
Gas and fuel oil.....	348	382	1, 195	1, 493	248	59	658	754
Lubricating oil.....	148	149	635	614	190	213	469	596
Metals and manufactures, except Machinery and Vehicles	5, 287	5, 894	6, 477	7, 451	2, 985	2, 729	4, 578	5, 020
Iron and steel	5, 115	5, 679	5, 444	6, 638	2, 651	2, 399	3, 959	4, 441
Steel bars.....	38	39	235	192	78	89	53	111
Galvanized sheets.....	42	58	142	195	586	343	1, 207	1, 381
Tin plates.....	607	568	1, 704	3, 549	21	35	375	517
Structural forms.....	59	89	441	141	156	167	165	144
Cast-iron pipe and fittings.....	16	188	140	60	66	153	163	163
Wire.....	126	246	226	199	124	165	214	164
Wire nails.....	37	39	67	61	119	102	153	163
Tin cans, finished or unfinished.....	3, 436	3, 959	69	60	59	157	129	67
Stoves, ranges, furnaces.....	137	124	161	159	22	18	25	35
Tools.....	59	68	190	169	93	103	155	175
Copper.....	34	44	339	205	164	153	251	198
Machinery and Vehicles	2, 547	2, 630	7, 080	6, 577	3, 006	3, 390	6, 902	6, 300
Engines.....	150	110	114	103	11	80	286	391
Electrical machinery and appliances.....	463	441	2, 315	1, 927	775	728	1, 234	1, 031
Agricultural machinery.....	56	67	322	354	168	238	559	295
Other machinery.....	1, 430	1, 431	1, 611	1, 293	898	875	1, 623	2, 211
Motor trucks and busses.....	68	83	298	333	213	285	1, 003	718
Passenger automobiles.....	131	117	1, 641	1, 390	595	654	1, 317	1, 284
Automobile parts and accessories, except tires.....	72	71	552	514	211	223	490	494
Chemicals and Related Products	866	818	5, 218	4, 803	3, 717	4, 081	2, 975	3, 589
Chemicals.....	159	150	769	697	450	423	1, 159	1, 332
Medicinal and pharmaceutical preparations.....	149	159	474	452	849	859	511	667
Paints, pigments, and varnishes.....	115	114	619	582	367	386	408	423
Explosives, fuses, etc.....	310	271	92	99	11	11	178	262
Fertilizers.....	3	3	2, 039	1, 774	891	1, 238	362	726
Soap.....	103	95	642	601	782	754	443	337
Miscellaneous	934	808	3, 875	3, 521	1, 833	1, 772	2, 319	2, 034
Motion-picture films.....	129	96	159	147	45	36	80	45
Musical instruments.....	35	20	208	194	51	39	92	54
Toys.....	26	24	109	135	155	178	32	31
Athletic and sporting goods.....	32	29	154	149	12	20	87	73
Books, pictures, and other printed matter.....	214	210	1, 011	993	265	228	809	718
Household and personal effects.....	118	111	269	305	174	109	85	88

¹ Data represent shipments from the United States Customs Area.

Source: Bureau of Foreign and Domestic Commerce.

24.—IRRIGATION AND DRAINAGE

GENERAL NOTE—Data in this section cover irrigation and drainage enterprises in continental United States. "Government irrigation" tables relate only to works of the Bureau of Reclamation or to lands served in whole or in part by works controlled by the bureau (for area so served, see Table 505). Tables 507 to 512 relate to irrigation enterprises of all sorts as reported to the Bureau of the Census.

No. 501.—GOVERNMENT IRRIGATION PROJECTS: CONSOLIDATED FINANCIAL STATEMENT, JUNE 30, 1933

DEBIT SIDE

Construction account, primary projects			
Cost of irrigation works—			
Original construction	\$202,180,218		
Supplemental construction	12,547,587		
Value of works taken over	2,056,940		
Total construction cost		\$216,784,745	
Operation and maintenance prior to public notice (net)	2,788,383		
Operation and maintenance deficits and arrearages and penalties on water-right charges funded with construction	6,557,849		
		9,346,232	
Less—		226,130,977	
Abandoned works and nonreimbursable cost, etc. (net)	15,613,099		
Construction revenues	6,468,236		
Contributed funds	1,733,553		
Nonreimbursable appropriation (Rio Grande Dam)	1,000,000		
Balance repayable		24,814,887	
Yuma auxiliary project: Cost of works less construction revenues			\$201,316,090
Palo Verde Valley flood protection. Reconstruction and repairs			1,898,473
Secondary projects and general investigations. Cost of surveys and investigations less contributed funds			30,017
Plant and equipment			2,368,934
Materials and supplies			503,073
Accounts receivable			304,510
Miscellaneous—contra			155,833,286
Cash on hand and in special deposit and in transit			22,596
			3,066,788
Total debits			364,298,575

CREDIT SIDE

Security for repayment of cost of irrigation works			
Contracted construction repayments		\$197,475,637	
Yuma auxiliary contracted repayments		608,679	
Current accounts payable			\$198,081,316
Deferred and contingent obligations			438,254
Reserves and undistributed profits			831,205
Unadjusted credits. Collection vouchers in transit			7,139,483
Operation and maintenance results, surplus			621
Government aid for reclamation of arid lands:			708,110
Reclamation fund		155,898,435	
Special funds—			
Increase of compensation		2,797,960	
Judgments, United States Courts		602,814	
Rio Grande Dam		1,000,000	
Wind River Indian (Riverton)		359,176	
Drainage and cut-over lands		99,815	
General investigations, 1923-Dec 31, 1924		266,353	
Arid, semiarid, swamp, and cut-over timberlands		35,924	
Columbia Basin irrigation project		11,634	
Colorado River levee system		447,321	
Palo Verde Valley flood protection		49,599	
Advances to reclamation fund. Treasury loans less amount repaid		15,000,000	
Total		176,569,031	
Less nonreimbursable appropriation, Rio Grande Dam		1,000,000	
		175,569,031	
Less impairment of funds			
Abandoned construction works and nonreimbursable cost	\$2,069,681		
Operation and maintenance cost, uncollectible	453,272		
Charge-offs, act of May 25, 1926	14,639,948		
Washington office cost since Dec 5, 1924	1,196,547		
Other items	6,057		
Less impounded funds, economy acts, reclamation fund	103,940		
		18,469,445	
			157,099,587
Total credits			364,298,575

¹ Includes \$242 impounded funds, economy acts.

Source: Bureau of Reclamation, Department of the Interior.

No. 502.—GOVERNMENT IRRIGATION PROJECTS: CONSTRUCTION COST, OTHER REIMBURSABLE COST AND AMOUNT TO BE REPAID BY WATER USERS, TOTALS TO JUNE 30, 1933

State and project	Construction cost	Operation and maintenance cost before public notice (net)	Operation and maintenance deficits and rearrangements and penalties	Deduction		Total to be repaid by water users
				Construction revenues and contributed funds	Abandoned works, nonreimbursable cost, etc	
Total	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
Total	216, 784, 745	2, 788, 383	6, 557, 849	9, 201, 789	15, 613, 099	201, 316, 090
Arizona: Salt River	12, 744, 223	115, 994	---	2, 312, 097	² 382, 097	10, 166, 022
Arizona-California Yuma	9, 376, 731	373, 528	31, 887	225, 842	---	9, 556, 303
California. Orland	2, 399, 303	³ 11, 433	710	28, 404	---	2, 360, 176
Colorado:						
Grand Valley	5, 015, 342	138, 621	---	268, 693	⁴ 812, 375	4, 072, 896
Uncompahgre	6, 422, 628	311, 103	186, 198	24, 239	⁴ 1, 260, 792	5, 634, 898
Idaho:						
Boise	16, 010, 350	422, 283	879, 516	456, 676	⁴ 82, 394	16, 773, 079
King Hill	1, 905, 919	---	110, 123	28, 187	⁴ 497, 464	1, 490, 390
Minidoka	15, 017, 209	320, 543	506, 730	2, 066, 755	⁴ 2, 288	13, 776, 439
Minidoka-Gooding	4, 122, 388	---	56, 414	2, 173	---	4, 176, 630
Kansas: Garden City	342, 964	52, 868	---	61, 357	⁵ 334, 475	---
Montana:						
Bitter Root	627, 641	---	---	---	---	627, 641
Huntley	1, 562, 303	³ 1, 000	387, 975	18, 372	⁴ 62, 050	1, 805, 856
Milk River	6, 844, 118	437, 256	100, 394	74, 194	⁴ 1, 732, 021	5, 575, 552
Sum River	7, 384, 002	133, 134	102, 918	47, 400	⁴ 89, 214	7, 489, 440
Montana-North Dakota: Lower Yellowstone	3, 685, 433	³ 3, 759	905, 717	53, 532	⁴ 382, 254	4, 151, 604
Nebraska-Wyoming North Platte	19, 229, 965	743, 294	1, 506, 545	497, 902	---	20, 981, 903
Nevada Newlands	7, 956, 907	³ 2, 155	34, 631	52, 348	⁴ 437, 820	3, 499, 215
New Mexico:						
Carlsbad	1, 464, 650	³ 17, 752	4, 832	29, 059	⁴ 374, 884	1, 047, 788
Hondo	339, 492	32, 952	---	656	⁵ 371, 788	---
New Mexico-Texas. Rio Grande	15, 076, 073	³ 297, 853	---	¹ 1, 408, 882	⁴ 326, 901	13, 042, 433
North Dakota:						
Buford-Trenton	223, 423	³ 32	---	1, 968	⁵ 221, 424	---
Williston	517, 630	³ 165	---	97, 107	⁵ 420, 358	---
Oregon:						
Baker	281, 592	---	---	5, 003	---	276, 589
Umatilla	5, 137, 937	---	230, 428	85, 321	⁴ 888, 341	4, 394, 703
Vale	3, 479, 351	30, 397	---	6, 125	---	3, 505, 653
Oregon-California: Klamath	6, 227, 452	81, 577	74, 971	215, 953	⁴ 7, 500	6, 160, 546
Oregon-Idaho: Owyhee	11, 237, 640	---	---	4, 368	---	11, 233, 272
South Dakota: Belle Fourche	4, 519, 271	³ 1, 989	669, 943	26, 151	⁴ 379, 032	4, 782, 043
Utah:						
Salt Lake Basin	2, 912, 781	---	---	45, 881	---	2, 866, 900
Strawberry Valley	3, 507, 423	10, 744	82, 753	258, 379	---	3, 342, 542
Washington:						
Okanogan	1, 452, 129	³ 47, 767	25, 194	6, 631	⁴ 998, 727	424, 199
Yakima	17, 063, 615	³ 64, 367	101, 431	386, 182	⁴ 4, 215	16, 710, 292
Yakima-Kittitas	8, 799, 345	---	16, 134	4, 431	---	8, 811, 049
Wyoming:						
Riverton	3, 888, 657	---	75, 373	18, 566	---	3, 945, 464
Shoshone	10, 008, 829	32, 355	467, 032	383, 957	⁴ 1, 544, 686	8, 579, 573

¹ Includes nonreimbursable appropriation, \$1,000,000 ³ Contra.

² Nonreimbursable cost.

Source Bureau of Reclamation, Department of the Interior

⁴ Authorized charge-offs

⁵ Abandoned works

No. 503.—GOVERNMENT IRRIGATION PROJECTS: OPERATION AND MAINTENANCE COST AND RETURNS DURING 1932 (CALENDAR YEAR)

State and project	Operation and maintenance cost	Operation and maintenance returns				Other credits ¹	Results Excess (+) or deficit (-)
		Charges contracted	Penalties	Dis-counts (contra)	Miscellaneous revenues		
Total	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
Total	1, 275, 761	926, 530	16, 545	2, 594	95, 262	275, 384	+35, 367
Arizona Yuma auxiliary	20, 246	25, 798	---	---	1, 104	---	+6, 655
Arizona-California. Yuma	194, 703	228, 726	389	311	10, 275	---	+44, 377
California. Orland	35, 165	38, 929	577	65	280	---	+4, 556
Colorado:							
Grand Valley	31, 803	33, 750	---	---	688	---	+2, 635
Uncompahgre	1, 366	² 188, 763	² 303	---	42	168, 545	-21, 844

¹ Amounts to be repaid with construction and charge-offs under act of May 25, 1926.

² Contra.

No. 503.—GOVERNMENT IRRIGATION PROJECTS. (OPERATION AND MAINTENANCE COST AND RETURNS DURING 1932 (CALENDAR YEAR)—Contd.

State and project	Operation and maintenance cost	Operation and maintenance returns					Results: Excess (+) or deficit (—)
		Charges contracted	Penalties	Dis-counts (contra)	Miscellaneous revenues	Other credits	
	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
Idaho:							
Boise.....	8,161	9,571					+1,409
Minidoka.....	70,175	61,951			9,039		+815
Minidoka-Gooding.....	44,534				12,532	10,140	-21,862
Montana							
Huntley.....		² 3,018				2,965	-53
Milk River.....	39,970	48,164			195		+8,390
Sun River.....	2,400	2,509				115	+224
Mont-N Dak. Lower Yellowstone.....	762	982				4,171	+4,392
Nebraska-Wyoming North Platte.....	21,574	19,761	² 46		2,477	813	+1,431
Nevada, Newlands.....		² 14,214				12,214	-2,000
New Mexico Carlsbad.....	40,238		77	308	1,493		-38,976
New Mexico-Texas. Rio Grande.....	281,842	267,625	9,689		4,527		
Oregon Umatilla.....	3,112	2,589			3		-520
Oregon-California Klamath.....	95,937	² 3,467	2		41,614	61,454	+3,667
South Dakota Belle Fourche.....	66,687	63,700			2,327		-660
Washington							
Yakima.....	218,367	230,522	6,160	1,909	6,085	² 30	+42,462
Yakima-Kittitas.....	76,487	79,054				² 1,988	+578
Wyoming							
Riverton.....	19,565				2,580	16,984	
Shoshone.....	2,669	2,360					-309

¹ Contra

No. 504.—GOVERNMENT IRRIGATION PROJECTS: OPERATION AND MAINTENANCE COST, RETURNS, AND NET RESULT, TOTALS TO DECEMBER 31, 1932

State and project	Operation and maintenance cost	Operation and maintenance returns					Results: Excess (+) or deficit (—)
		Charges contracted	Penalties	Dis-counts (contra)	Miscellaneous revenues	Other credits	
	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
Total.....	36,379,100	28,785,637	506,376	368,592	1,901,366	6,277,192	+721,878
Arizona Yuma auxiliary.....	352,382	420,423		9,430			+76,902
Arizona-California Yuma.....	4,874,199	4,866,616	99,828	59,153	207,358	2,922	+243,372
California Orland.....	530,719	565,262	2,781	21,736	3,712		+19,289
Colorado							
Grand Valley.....	224,283	240,500			3,450		+19,667
Uncompahgre.....	1,191,522	1,009,582	10,934	11,603	24,504	168,545	+10,440
Idaho							
Boise.....	2,822,904	2,134,399	69,769	52,650	111,045	601,070	+40,730
King Hill.....	156,734	60,711		1,519	343	97,199	---
Minidoka.....	2,333,258	1,928,191	29,463	22,342	136,822	266,407	+5,373
Minidoka-Gooding.....	67,283	1,844			12,892	10,140	-42,407
Montana							
Huntley.....	1,014,941	554,787	15,712	10,450	11,587	¹ 443,304	---
Milk River.....	317,233	250,605		1,662	5,653	100,394	+37,756
Sun River.....	321,677	164,100	6,360	3,468	29,626	¹ 124,790	-268
Montana-North Dakota: Lower Yellowstone.....	1,349,676	348,296	3	5	135,751	865,632	---
Neb-Wyo North Platte.....	2,825,480	1,859,664	27,258	35,812	36,065	¹ 1,043,899	+105,594
Nevada Newlands.....	1,453,491	1,174,582	28,661	24,970	26,013	¹ 239,383	-9,823
New Mexico Carlsbad.....	952,830	874,489	30,313	17,459	27,640	1,934	-35,933
New Mexico-Texas. Rio Grande.....	3,736,168	3,650,340	20,409	4,486	69,905		---
North Dakota							
Buford-Trenton.....	74,781	2,317			10	^{1 2} 72,454	---
Williston.....	904,662	34,043	46		489,755	^{1 2} 380,819	---
Oregon Umatilla.....	698,043	379,148	7,698	3,314	39,871	¹ 288,216	+13,575
Oregon-California Klamath.....	1,380,414	1,172,204	3,623	4,942	200,560	65,166	-56,197
South Dakota Belle Fourche.....	1,679,975	948,508	29,196	9,241	31,920	¹ 689,801	+10,209
Utah Strawberry Valley.....	437,856	376,881	10,196	11,859	20,400	42,238	---
Washington							
Okanogan.....	649,647	371,442	1,451	397	70,485	¹ 206,666	---
Yakima.....	4,865,717	4,697,457	97,522	59,365	143,199	74,823	+87,918
Yakima-Kittitas.....	157,270	153,041			6,796		+2,566
Wyoming							
Riverton.....	87,352				11,978	75,373	---
Shoshone.....	918,603	546,236	13,615	11,051	41,393	¹ 409,131	+80,720

¹ Includes deficits uncollectible Huntley, \$81,354, Sun River, \$34,148, Newlands, \$211,292, Buford-Trenton, \$72,454; Williston, \$380,819, Umatilla, \$91,083; Belle Fourche, \$119,608; Okanogan, \$181,472; Shoshone, \$38,036, total, \$1,210,264 Other data are amounts to be repaid with construction.

² Projects abandoned.

Source of Tables 503 and 504. Bureau of Reclamation, Department of the Interior.

No. 505.—GOVERNMENT IRRIGATION PROJECTS: ACREAGE IRRIGABLE, IRRIGATED, AND CROPPED AND VALUE OF CROPS, BY PROJECTS, 1932

NOTE.—Data are for calendar year (irrigation season) except on Salt River project, where data are for corresponding "agricultural year", October 1931 to September 1932

State and project	Lands in projects proper				Other lands served by Government works ¹			
	Irrigable acreage ²	Irrigated acreage	Cropped acreage	Crop value	Irrigable acreage	Irrigated acreage	Cropped acreage	Crop value
				<i>Dollars</i>				<i>Dollars</i>
Grand total	2, 039, 074	1, 555, 144	1, 578, 880	31, 531, 182	1, 512, 405	1, 214, 461	1, 196, 400	18, 627, 219
Total with irrigation	2, 039, 074	1, 555, 144	1, 506, 320	31, 185, 752	1, 512, 405	1, 214, 461	1, 196, 400	18, 627, 219
Arizona: Salt River.....	245, 658	242, 110	224, 444	9, 660, 555	94, 000	39, 500	39, 500	775, 000
Arizona-California Yuma.....	65, 055	47, 042	44, 204	1, 402, 615	200	186	174	20, 348
California: Orland.....	20, 704	14, 059	13, 017	318, 064	-----	-----	-----	-----
Colorado								
Grand Valley.....	30, 384	15, 660	14, 978	243, 611	18, 400	13, 900	13, 500	228, 200
Uncompahgre.....	75, 654	59, 700	59, 666	706, 272	1, 650	1, 550	1, 545	18, 540
Idaho								
Boise.....	172, 303	156, 341	148, 669	1, 614, 182	143, 950	133, 048	128, 748	1, 355, 400
King Hill.....	8, 000	7, 042	6, 834	69, 070	-----	-----	-----	-----
Minidoka.....	120, 941	107, 583	99, 913	1, 444, 575	727, 951	645, 271	621, 762	7, 328, 520
Montana:								
Butter Root Irrigation District ³	18, 240	15, 825	15, 023	206, 486	-----	-----	-----	-----
Huntley.....	32, 540	23, 880	23, 880	502, 825	-----	-----	-----	-----
Milk River.....	134, 557	46, 234	46, 020	588, 972	-----	-----	-----	-----
Sun River.....	55, 084	36, 054	39, 125	202, 688	-----	-----	-----	-----
Montana-North Dakota:								
Lower Yellowstone.....	45, 891	31, 235	31, 235	669, 455	-----	-----	-----	-----
Nebraska-Wyoming: North Platte.....	234, 956	188, 516	185, 998	2, 969, 359	126, 355	93, 249	105, 108	1, 765, 061
Nevada: Newlands.....	87, 500	51, 927	49, 730	510, 168	-----	-----	-----	-----
New Mexico: Carlsbad.....	25, 055	24, 761	22, 515	441, 017	-----	-----	-----	-----
New Mexico-Texas: Rio Grande.....	155, 000	137, 449	134, 531	3, 539, 326	77, 000	42, 952	42, 945	608, 829
Oregon:								
Baker.....	5 6, 521	5, 598	5, 598	53, 521	-----	-----	-----	-----
Umatilla.....	14, 053	10, 838	10, 500	134, 686	792	695	631	8, 916
Vale.....	15, 584	4, 915	3, 608	34, 016	-----	-----	-----	-----
Oregon-California: Klamath.....	61, 334	50, 060	49, 027	812, 175	64, 468	31, 105	30, 970	360, 156
South Dakota: Belle Fourche.....	57, 112	35, 000	49, 129	601, 121	-----	-----	-----	-----
Utah:								
Salt Lake Basin.....	-----	-----	-----	-----	84, 636	81, 885	80, 482	2, 342, 636
Strawberry Valley.....	40, 930	38, 906	37, 232	646, 050	6, 032	5, 735	5, 650	123, 933
Washington:								
Okanogan.....	6, 000	3, 564	3, 196	242, 905	-----	-----	-----	-----
Yakima.....	204, 437	152, 832	140, 497	3, 032, 381	166, 717	125, 131	125, 131	3, 689, 700
Wyoming:								
Shoshone.....	73, 581	45, 204	45, 204	500, 202	-----	-----	-----	-----
Riverton.....	32, 000	2, 809	2, 547	19, 455	254	254	254	1, 980
Total cropped without irrigation	-----	-----	72, 560	385, 410	-----	-----	-----	-----
Milk River.....	-----	-----	9, 999	35, 869	-----	-----	-----	-----
Sun River.....	-----	-----	1, 694	5, 792	-----	-----	-----	-----
Lower Yellowstone.....	-----	-----	5, 541	14, 520	-----	-----	-----	-----
Klamath.....	-----	-----	55, 326	309, 229	-----	-----	-----	-----

¹ Usually furnished with a partial water supply through private canals under Warren Act or other water-service contracts.

² Areas for which Bureau was prepared to supply water in 1932

³ Bitter Root Irrigation District being rehabilitated by United States under act of July 3, 1930.

⁴ Includes some dry-farmed tracts irrespective of the area given below under "Cropped without irrigation"

⁵ Estimated.

⁶ Includes some dry-farmed tracts

Source: Bureau of Reclamation, Department of the Interior.

No. 506.—GOVERNMENT IRRIGATION PROJECTS: ACREAGE, PRODUCTION, AND VALUE OF CROPS

[Acreage in thousands and value in thousands of dollars, except for individual crops]

Year	Government projects proper				Warren Act land			Entire area		
	Irrigable acreage	Irrigated acreage	Cropped acreage ¹	Crop value ¹	Irrigated acreage	Cropped acreage	Crop value	Irrigated acreage	Cropped acreage	Crop value
1919.....	1,636	1,187	1,113	88,974	916	881	64,000	2,104	1,994	152,974
1920.....	1,662	1,224	1,154	66,172	982	951	47,506	2,205	2,105	113,678
1921.....	1,674	1,228	1,158	49,620	1,001	970	44,906	2,229	2,128	94,526
1922.....	1,693	1,202	1,169	50,361	983	951	33,241	2,185	2,120	83,602
1923.....	1,718	1,214	1,180	65,046	1,051	993	37,558	2,265	2,173	102,604
1924.....	1,806	1,291	1,217	66,489	931	890	43,238	2,222	2,106	109,726
1925.....	1,803	1,320	1,243	77,609	1,019	951	53,656	2,340	2,194	131,265
1926.....	1,845	1,411	1,362	60,665	1,097	950	49,750	2,308	2,311	110,415
1927.....	1,957	1,379	1,432	72,047	1,148	1,072	61,160	2,527	2,504	133,207
1928.....	1,883	1,442	1,489	81,078	1,235	1,132	62,495	2,777	2,681	145,573
1929.....	1,922	1,484	1,512	88,459	1,234	1,163	72,720	2,718	2,703	161,180
1930.....	1,993	1,505	1,551	65,007	1,280	1,254	54,655	2,791	2,505	119,662
1931.....	2,027	1,553	1,520	40,554	1,294	1,252	33,406	2,847	2,772	78,960
1932.....	2,039	1,555	1,579	31,531	1,200	1,183	17,893	2,755	2,762	49,424
1933.....	2,026	1,590	1,599	48,766	1,239	1,199	35,426	2,829	2,798	84,192

GOVERNMENT PROJECTS PROPER—INDIVIDUAL CROPS¹

Crop	Acreage cropped		Production		Crop value		Yield per acre	
	1932	1933	1932	1933	1932	1933	1932	1933
Total, all crops.....	1,578,880	1,598,702	Bushels	Bushels	Dollars	Dollars	Bushels	Bushels
Cereals.....	384,107	356,922	12,115,898	10,538,637	3,028,892	4,503,898	21.3	33.2
Barley.....	98,905	77,529	3,726,158	2,676,606	720,031	908,163	21.3	33.2
Corn.....	90,075	70,884	2,449,542	1,979,118	657,786	801,514	27.2	28.0
Oats.....	59,151	64,426	2,501,797	2,539,101	427,643	694,660	44.4	39.4
Rye.....	2,512	2,480	43,859	27,041	12,024	15,422	17.5	10.9
Wheat.....	133,464	141,803	3,394,530	3,414,671	1,209,408	2,084,139	25.5	24.1
Other seeds.....	28,703	34,819	108,964	126,736	313,650	562,554	3.4	3.3
Alfalfa seed.....	20,687	25,199	70,175	82,326	217,604	369,594	4.3	4.5
Clover seed.....	6,175	7,787	26,588	35,530	86,815	164,562	6.6	4.8
Flaxseed.....	1,841	1,833	12,201	8,880	9,231	28,398	6.6	4.8
Hay and forage.....	1,173,412	1,211,148	Tons	Tons	Tons	Tons	Tons	Tons
Alfalfa hay.....	427,591	485,844	1,320,656	1,478,013	6,148,306	9,367,688	2.7	3.0
Clover hay.....	10,926	12,777	14,303	17,042	44,336	82,361	1.3	1.3
Other hay.....	48,691	64,071	60,619	81,744	238,441	519,445	1.2	1.3
Corn fodder.....	14,582	23,238	57,926	79,007	160,599	418,817	4.0	3.4
Other forage.....	145,415	146,119	190,097	160,944	735,208	629,481	1.3	1.1
Pasture.....	461,207	439,099			1,979,551	2,619,641		
Vegetables.....	159,541	142,916	Bushels	Bushels	Bushels	Bushels	Bushels	Bushels
Beans.....	13,916	23,831	10,766,586	13,248,300	7,327,621	10,326,843	16.7	18.4
Onions.....	2,451	2,267	232,876	438,469	190,238	533,840	21.7	31.0
Potatoes, white.....	71,570	58,261	531,583	702,040	66,557	200,166	137.5	206.0
Potatoes, sweet.....	1,678	1,176	9,823,753	11,996,069	1,367,068	5,020,307	106.3	95.0
Truck.....	69,926	57,381	178,374	111,722	98,504	107,249	3.30	2.480
			5,605,254		4,465,281			
Fruits and nuts.....	61,588	57,095	1,000 lbs.	1,000 lbs.	Pounds	Pounds	Pounds	Pounds
Apples.....	25,485	25,017	514,471	504,659	3,186,397	5,406,141	11,500	11,170
Peaches.....	3,936	3,612	292,395	279,462	1,074,038	2,653,206	7,570	1,100
Pears.....	7,368	7,477	29,769	3,991	113,654	76,965	7,290	9,140
Prunes.....	2,214	2,224	53,777	68,261	192,759	479,711	6,920	6,030
Citrus fruits.....	13,613	9,112	15,316	13,410	59,449	139,850	6,080	12,400
Small fruits.....	3,097	4,047	90,835	113,176	986,574	1,279,313	4,140	3,080
Miscellaneous.....	5,875	5,606	12,815	12,449	245,685	367,347	3.30	2.480
			19,563	13,911	464,238	409,749		
Miscellaneous.....	227,849	272,926			8,420,161	14,328,996		
Cotton.....	124,331	147,507	47,570	72,403	3,573,419	7,397,420	382.6	490.8
Cottonseed.....			79,323	90,874			638.0	616.1
Sugar beets.....	77,729	110,008	Tons	Tons	Tons	Tons	Tons	Tons
Other crops.....	25,411	15,411	1,062,242	1,345,500	4,584,350	6,575,616	13.7	12.2
			282,392		282,392	355,980		
Duplication.....	456,320	477,124						

¹ Figures include nonirrigated crops grown on projects (1932—acreage, 72,560 acres; crop value, \$365,410; 1933—acreage, 68,799 acres; crop value, \$627,287)

Source: Bureau of Reclamation, Department of the Interior.

No. 507.—IRRIGATION: SUMMARY FOR THE 19 IRRIGATION STATES

NOTE.—Tables 507 to 510 relate to irrigation enterprises of all types, including those operated by individual farmers. They are based on reports of the management of the enterprises. An enterprise is defined as "an independent irrigation establishment and includes the works for supplying water and the land for which water is supplied, except that the cost and value of the land is not included in the capital invested." Statistics cover the nineteen irrigation States shown in Table 509.

Item	Census of—			Per cent increase 1920-1930 ¹
	1910	1920	1930	
All farms.....number.....	1, 776, 046	1, 916, 391	2, 062, 813	7.6
All land in farms.....1,000 acres.....	416, 463	505, 441	568, 694	12.5
Approximate land area.....do.....	1, 224, 063	1, 223, 989	1, 223, 989	-----
Farms irrigated.....number.....	162, 723	222, 789	265, 147	19.0
Area irrigated.....1,000 acres.....	14, 433	19, 192	19, 548	1.9
Area of irrigated crops harvested.....do.....	(²)	(²)	14, 633	-----
Area enterprises were capable of supplying with water.....1,000 acres.....	20, 285	26, 020	26, 102	0.3
Area in enterprises.....do.....	32, 245	35, 891	30, 599	-----
Proportion irrigated:				
All farms.....per cent.....	9.2	11.6	12.9	-----
All land in farms.....do.....	3.5	3.8	3.4	-----
Approximate land area.....do.....	1.2	1.6	1.6	-----
Excess of area enterprises were capable of supplying with water over area irrigated.....1,000 acres.....	5, 852	6, 829	6, 554	-4.0
Excess of area in enterprises ³ over area irrigated.....do.....	17, 812	16, 699	11, 052	-----
Area in enterprises available, or to be available, for settlement.....1,000 acres.....	(⁴)	2, 258	1, 682	-25.5
Value of irrigated farms [land, buildings (including dwellings), and implements and machinery].....1,000 dollars.....	(²)	(²)	4, 886, 893	-----
Average, per acre.....do.....	(²)	(²)	62.38	-----
Value of irrigated crops harvested.....1,000 dollars.....	(²)	(²)	899, 943	-----
Investment in irrigation enterprises.....do.....	321, 454	697, 657	1, 032, 756	48.0
Average per acre, based on area enterprises were capable of supplying with water.....dollars.....	15.85	26.81	39.57	47.6
Estimated final cost of existing enterprises.....1,000 dollars.....	437, 949	819, 778	1, 155, 108	40.9
Average per acre, based on area in enterprises.....dollars.....	13.58	22.84	37.75	-----
Average annual cost, per acre, for maintenance and operation of irrigation works.....dollars.....	-----	2.43	2.77	14.0

¹ A minus sign (—) denotes decrease.

³ Total area, 1910 and 1920, irrigable area, 1930

² Figures not available

⁴ Not reported

No. 508.—IRRIGATION: ACREAGE AND INVESTMENT IN ENTERPRISES, BY CHARACTER OF ENTERPRISE, 1920 AND 1930

NOTE.—See headnote, Table 507

Item and character	Area irrigated (acres)		Area enterprises were capable of supplying with water (acres)		Area in enterprises (acres) ¹		Investment (thousands of dollars), 1930
	1919	1929	1920	1930	1920	1930	
Total.....	19, 191, 716	19, 547, 544	26, 020, 477	26, 101, 890	35, 890, 821	30, 599, 470	1, 032, 756
Individual and partnership.....	6, 848, 807	6, 410, 581	9, 255, 756	7, 982, 142	13, 008, 415	8, 969, 051	327, 867
Cooperative.....	6, 581, 400	6, 271, 334	8, 403, 298	7, 861, 081	10, 628, 543	8, 698, 800	179, 330
Irrigation district.....	1, 822, 887	3, 452, 275	2, 531, 425	4, 846, 095	3, 432, 109	6, 013, 347	210, 733
Carey Act.....	523, 929	86, 772	804, 298	174, 246	1, 188, 937	192, 246	7, 566
Commercial.....	1, 822, 001	1, 230, 763	2, 799, 563	2, 180, 950	3, 999, 581	2, 619, 597	62, 352
United States Bureau of Indian Affairs.....	284, 551	331, 840	484, 486	739, 446	932, 985	1, 122, 134	31, 577
United States Bureau of Reclamation.....	1, 254, 569	1, 485, 028	1, 680, 643	1, 944, 825	2, 627, 176	2, 569, 649	193, 990
State.....	5, 620	11, 489	7, 379	13, 600	9, 581	14, 231	1, 047
City.....	40, 146	121, 218	44, 458	146, 132	49, 650	140, 534	15, 511
Other.....	7, 236	146, 244	8, 546	233, 373	13, 144	259, 881	2, 783
Not reported.....	570	-----	625	-----	700	-----	-----

¹ Total area, 1920, irrigable area 1930.

Source of Tables 507 and 508: Bureau of the Census, Department of Commerce

No. 509.—IRRIGATION: AREA IN IRRIGATION ENTERPRISES, 1910, 1920, AND 1930, AND INVESTMENT AND COST OF MAINTENANCE AND OPERATION, 1920 AND 1930, BY STATES

State	Area in enterprises (acres) ¹			Area enterprises were capable of supplying with water (acres)		Area irrigated (acres)		
	1910	1920	1930	1920	1930	1909	1919	1929
Total.....	32,245,464	35,890,821	30,699,470	26,020,477	26,101,890	14,433,285	19,181,718	19,547,544
Arizona.....	944,090	813,153	1,055,627	627,303	824,152	320,051	467,565	575,500
Arkansas.....	52,883	246,480	225,962	179,013	209,942	27,753	143,946	151,787
California.....	5,490,360	7,805,207	8,075,895	5,894,466	6,815,250	2,664,104	4,219,040	4,746,632
Colorado.....	5,917,457	5,220,584	4,528,251	3,855,348	4,078,712	2,792,032	3,348,385	3,393,619
Idaho.....	3,549,573	3,780,048	2,814,048	3,092,810	2,617,021	1,430,848	2,488,806	2,181,250
Kansas.....	161,300	102,562	95,719	67,853	83,583	37,479	47,312	71,290
Louisiana.....	581,965	851,211	850,401	728,742	795,165	380,200	454,882	450,901
Montana.....	3,515,602	4,329,148	2,622,423	2,753,498	2,276,000	1,679,084	1,681,729	1,594,912
Nebraska.....	680,133	766,768	763,039	562,468	703,641	255,950	442,690	532,617
Nevada.....	1,232,142	1,382,036	983,717	704,708	736,249	701,833	561,447	486,648
New Mexico.....	1,102,297	961,879	741,245	696,119	656,669	461,718	538,377	527,033
North Dakota.....	38,173	57,470	24,860	34,235	24,006	10,248	12,072	9,392
Oklahoma.....	8,528	11,742	7,344	9,672	7,331	4,388	2,969	1,573
Oregon.....	2,527,208	1,925,987	1,478,128	1,344,046	1,158,210	686,129	986,162	898,715
South Dakota.....	201,625	188,382	122,510	150,914	109,550	63,248	100,682	67,107
Texas.....	1,253,173	1,687,447	1,566,876	1,150,542	1,177,415	451,130	586,120	798,917
Utah.....	1,947,625	2,359,244	1,739,869	1,700,550	1,542,475	990,410	1,371,651	1,324,125
Washington.....	817,032	836,795	915,379	637,151	631,511	334,378	529,899	499,283
Wyoming.....	2,224,208	2,564,668	1,958,147	1,831,039	1,665,008	1,133,302	1,207,982	1,236,155

State	Investment				Estimated final cost				Average cost of maintenance and operation per acre (dollars) ²	
	Amount (thousands of dollars)		Average per acre (dollars)		Amount (thousands of dollars)		Average per acre (dollars)			
	1920	1930	1920	1930	1920	1930	1920	1930	1920	1930
Total.....	697,657	1,032,756	26.81	39.57	819,778	1,155,108	22.84	37.75	2.43	2.77
Arizona.....	33,498	73,328	53.40	88.97	34,615	91,914	42.57	84.66	3.27	4.57
Arkansas.....	7,183	6,837	40.13	32.56	7,284	6,844	29.55	30.28	13.67	7.03
California.....	194,886	450,968	33.06	66.17	225,799	465,931	28.93	57.69	4.40	6.10
Colorado.....	88,302	87,603	22.90	21.43	95,198	91,846	18.24	20.28	.87	.85
Idaho.....	91,501	84,500	29.59	32.29	97,020	101,350	25.67	36.02	1.17	1.44
Kansas.....	2,067	1,686	30.47	20.17	2,196	1,724	21.41	18.01	3.29	1.53
Louisiana.....	14,063	15,745	19.30	19.80	14,264	15,771	16.76	18.55	7.01	4.09
Montana.....	52,143	50,319	18.94	22.11	70,079	58,490	16.19	22.30	1.26	.87
Nebraska.....	13,909	21,386	24.73	30.39	18,030	21,466	23.51	28.13	1.48	1.54
Nevada.....	14,754	15,458	20.94	21.00	22,649	18,490	16.39	18.80	.79	.91
New Mexico.....	18,210	19,834	26.16	30.20	20,441	21,942	21.25	29.60	2.41	2.15
North Dakota.....	1,857	1,267	54.25	52.79	2,073	1,344	36.06	54.06	5.50	1.97
Oklahoma.....	151	160	15.65	21.84	163	168	13.86	22.86	2.92	7.62
Oregon.....	28,929	38,755	21.52	33.46	41,586	60,040	21.69	40.62	1.19	1.41
South Dakota.....	5,465	4,502	36.21	41.10	5,501	5,174	29.20	42.24	1.26	1.33
Texas.....	35,073	49,022	30.48	41.64	39,861	59,556	23.62	38.01	6.92	4.74
Utah.....	32,037	35,670	19.84	23.13	33,836	37,857	14.34	21.76	1.08	1.00
Washington.....	29,299	40,562	45.98	64.23	37,685	53,232	45.03	58.15	3.45	4.14
Wyoming.....	34,326	35,153	18.75	21.24	51,500	41,970	20.08	21.43	1.04	.84

¹ Total area, 1910 and 1920, irrigable area, 1930

² When water is pumped, cost of operation includes cost of fuel and attendance.

Source. Bureau of the Census, Department of Commerce.

No. 510.—IRRIGATION: ACREAGE AND INVESTMENT IN ENTERPRISES, BY DRAINAGE BASINS, 1920 AND 1930

NOTE—See headnote, Table 507

Drainage basin	Area irrigated (acres)		Area enterprises were capable of supplying with water, 1930 (acres)	Irrigable area in enterprises, 1930 (acres)	Investment (thousands of dollars)	
	1919	1929			1920	1930
Total	19, 191, 716	19, 547, 544	26, 101, 890	30, 599, 470	697, 657	1,032,756
Red River (of the North) tributaries.....		2, 099	2, 099	2, 409		21
Missouri River and tributaries.....	4, 147, 278	4, 185, 180	5, 472, 012	6, 231, 873	131, 553	136, 507
Mississippi River and tributaries, exclusive of Missouri River.....	958, 493	902, 560	1, 170, 583	1, 280, 730	35, 184	31, 832
Gulf streams other than Mississippi River and Rio Grande.....	698, 077	662, 958	1, 221, 997	1, 536, 404	29, 440	28, 578
Rio Grande and tributaries.....	1, 204, 502	1, 468, 913	1, 807, 195	2, 068, 439	33, 886	52, 979
Independent streams in Rio Grande Drainage Basin.....	108, 353	95, 812	107, 586	109, 225	939	769
Colorado River and tributaries.....	2, 312, 047	2, 537, 124	3, 335, 914	4, 435, 599	86, 697	132, 350
Whitewater Draw and tributaries.....	5, 871	3, 301	4, 753	5, 570	299	231
Great Basin Drainage.....	2, 313, 163	2, 069, 986	2, 579, 612	3, 059, 019	66, 589	72, 068
Columbia River and tributaries.....	3, 873, 245	3, 393, 640	4, 241, 244	4, 992, 131	145, 672	157, 355
Pacific Ocean streams other than Colorado and Columbia Rivers.....	3, 570, 687	4, 225, 971	6, 158, 895	6, 878, 141	167, 398	420, 066

¹ Not including "Independent streams in Rio Grande Drainage Basin."

No. 511.—IRRIGATION: ACREAGE, VALUE, AND AVERAGE VALUE PER ACRE OF ALL CROPS AND OF IRRIGATED CROPS, 1929

NOTE.—The data in this table are from schedules of individual farmers and not from the managements of irrigation enterprises. Acreage does not include pasture land

State	Acreage				Value					
	All crops		Irrigated crops		All crops			Irrigated crops		
	Total acres	Per cent of United States total	Total acres	Per cent of irrigation States total	Total (thousands of dollars)	Per cent of United States total	Average value per acre (dollars)	Total (thousands of dollars)	Per cent of irrigation States total	Average value per acre (dollars)
United States	361, 944, 557	100. 0	(¹)	-----	8, 077, 812	100. 0	22 32	(²)	-----	-----
Irrigation States	178, 814, 903	49. 3	14, 633, 252	100. 0	3, 400, 378	42 1	19 04	899, 943	100. 0	61. 50
Arizona.....	500, 342	. 1	448, 806	3. 1	32, 367	. 4	64. 69	31, 021	3. 4	69. 12
Arkansas.....	6, 556, 238	1. 8	146, 910	1. 0	210, 182	2. 6	32 06	6, 683	. 7	45. 49
California.....	6, 623, 727	1. 8	3, 540, 350	24. 2	537, 479	6 7	81. 14	446, 259	49. 6	126. 05
Colorado.....	6, 761, 176	1. 9	2, 291, 927	15. 7	124, 762	1. 5	18. 45	82, 857	9. 2	35. 93
Idaho.....	3, 182, 767	. 9	1, 634, 821	11. 2	104, 045	1. 3	32. 69	73, 893	8. 2	45. 21
Kansas.....	24, 313, 774	6. 7	56, 939	. 4	299, 152	3. 7	12. 30	1, 706	. 2	28. 96
Louisiana.....	4, 110, 643	1. 1	400, 376	2. 7	149, 750	1. 9	36. 43	16, 235	1. 8	40. 55
Montana.....	7, 878, 625	2. 2	1, 343, 035	9. 2	87, 639	1. 1	11. 12	28, 868	3. 2	21. 49
Nebraska.....	21, 432, 100	5. 9	404, 481	2. 8	299, 127	3. 7	13. 06	15, 645	. 3	38. 43
Nevada.....	396, 769	. 1	390, 192	2. 7	8, 703	. 1	21. 94	8, 473	. 9	21. 72
New Mexico.....	1, 497, 369	. 4	371, 269	2. 4	34, 648	. 4	23. 14	18, 865	2. 1	50. 81
North Dakota.....	21, 336, 772	5. 9	10, 651	. 1	181, 303	2. 2	8. 50	278	(²)	26. 07
Oklahoma.....	15, 570, 362	4. 3	2, 109	(²)	245, 561	3. 0	15. 77	100	(²)	47. 53
Oregon.....	2, 861, 467	. 8	637, 967	4. 4	89, 354	1. 1	31. 23	24, 800	2. 8	38. 87
South Dakota.....	17, 955, 734	5. 0	59, 361	. 4	171, 238	2. 1	9 64	1, 646	. 2	27. 72
Texas.....	30, 766, 089	8. 5	594, 287	4. 0	615, 600	7. 6	20. 01	33, 221	3. 7	55. 90
Utah.....	1, 200, 154	. 3	917, 139	6. 2	35, 260	. 4	29. 38	29, 996	3. 3	32. 71
Washington.....	3, 660, 863	1. 0	405, 027	2. 8	144, 837	1. 8	39. 56	61, 145	6. 8	150. 97
Wyoming.....	2, 009, 942	. 6	978, 106	6. 7	29, 371	. 4	14. 61	18, 851	2. 1	19. 27

¹ Data on the relatively small amount of irrigation outside of the 19 irrigation States are not available.

² Less than one-tenth of 1 per cent

Source of Tables 510 and 511: Bureau of the Census, Department of Commerce.

No. 512.—IRRIGATION: ACREAGE, PRODUCTION, AND VALUE OF IRRIGATED CROPS HARVESTED, 1929

NOTE—See headnote, Table 511

Crop	Acreage	Production			Value (dollars)	
		Unit	Amount	Per acre	Amount	Per acre
Total ¹	14, 633, 252				899, 942, 549	61 50
Cereals, total.....	3, 250, 629	Bushel.....	111, 801, 074	34 4	94, 057, 264	28 94
Corn harvested for grain.....	348, 563	do.....	10, 925, 296	31 3	8, 923, 428	25 60
Wheat threshed.....	1, 017, 921	do.....	27, 925, 376	27 5	28, 640, 910	28 14
Oats threshed for grain.....	382, 491	do.....	14, 235, 956	37 2	7, 021, 831	18 36
Barley.....	665, 985	do.....	22, 872, 825	34 3	14, 570, 613	21 88
Rye.....	12, 335	do.....	213, 369	17 3	197, 712	16 03
Sorghum for grain.....	71, 371	do.....	1, 910, 504	26 8	1, 797, 785	25 19
Rice (rough).....	724, 997	do.....	32, 876, 049	45 3	32, 332, 566	44 60
Mixed grains and other cereals.....	26, 966	do.....	771, 699	28 6	572, 419	21 23
Other grains and seeds, total.....	687, 843				43, 777, 658	63 64
Canada and other ripe field peas ²	101, 315	Bushel.....	1, 471, 670	14 5	3, 237, 789	31 96
Navy and other ripe field beans ³	365, 776	do.....	8, 408, 492	23 0	33, 492, 746	91 57
All clover seed.....	64, 738	do.....	254, 837	3 9	1, 947, 442	30 07
Alfalfa seed.....	137, 754	do.....	366, 988	2 7	4, 004, 840	29 07
Miscellaneous seeds.....	18, 260				1, 094, 832	59 96
Hay crops, total.....	6, 758, 431	Ton.....	13, 438, 922	2 0	169, 163, 452	25 03
Tame hay.....	5, 455, 183	do.....	12, 239, 422	2 2	158, 216, 955	29 00
Alfalfa.....	4, 096, 381	do.....	10, 384, 668	2 5	136, 599, 352	33 35
Timothy and (or) timothy and clover mixed.....	679, 914	do.....	973, 565	1 4	11, 247, 379	16 54
Clover alone.....	83, 502	do.....	120, 410	1 4	1, 324, 897	15 87
Annual legumes saved for hay ⁴	19, 833	do.....	27, 929	1 4	275, 579	13 88
Small grains cut for hay.....	219, 342	do.....	318, 753	1 5	4, 494, 860	20 49
Other tame grasses.....	356, 211	do.....	414, 097	1 2	4, 274, 888	12 00
Wild, salt, and prairie grasses.....	1, 303, 248	do.....	1, 199, 500	9	10, 946, 497	8 40
Silage and miscel. forage crops.....	88, 431	do.....	514, 162	5 8	3, 740, 885	42 30
Corn cut for fodder.....	37, 764		(⁵)		(⁵)	
Vegetables, total.....	782, 274				138, 809, 727	177 44
Potatoes (Irish or white).....	252, 805	Bushel.....	47, 607, 488	188 3	58, 618, 017	231 87
Sweetpotatoes and yams.....	10, 634	do.....	1, 124, 047	105 7	1, 732, 459	162 92
Vegetables harvested for sale.....	518, 535				78, 459, 221	151 22
Sugar crops, total.....	502, 479				42, 678, 942	84 94
Sugar beets for sugar.....	501, 951	Ton.....	5, 994, 174	11 9	42, 606, 114	84 88
Other sugar crops.....	528				72, 828	137 93
Cotton, including cottonseed.....	893, 745				67, 003, 012	74 97
Lint cotton.....	893, 745	Bale.....	624, 126	.7	58, 657, 194	65 63
Cottonseed.....		Ton.....	302, 895		8, 345, 818	9 34
Hops.....	4, 811	Pound.....	9, 487, 797	1, 972 1	1, 180, 493	245 37
Miscellaneous crops.....	131, 693				372, 087	2 83
Land in orchard and subtropical fruits, vineyards, and planted nut trees.....	1, 494, 637					
Orchard fruits, total.....	6 43, 445, 383				111, 113, 718	7 2 56
Apples.....	6 9, 054, 962	Bushel.....	37, 048, 840	7 4 1	45, 508, 713	7 5 03
Peaches.....	6 10, 758, 112	do.....	14, 731, 990	7 1 4	18, 312, 004	7 1 70
Pears.....	6 5, 752, 449	do.....	9, 836, 530	7 1 7	18, 371, 048	7 3 19
Plums and prunes.....	6 10, 451, 409	do.....	8, 801, 389	7 8	8, 357, 856	7 80
Cherries.....	6 1, 287, 486	do.....	1, 098, 617	7 9	5, 090, 798	7 3 95
Figs.....	6 2, 168, 826	Pound.....	114, 799, 188	7 52 9	5, 826, 709	7 2 69
Apricots.....	6 3, 853, 026	Bushel.....	5, 413, 071	7 1 4	9, 529, 657	7 2 47
All other orchard fruits.....	6 119, 113				116, 933	7 98
Grapes.....	6 189, 819, 218	Pound.....	2, 998, 861, 537	9 16 3	37, 351, 036	10 20
Subtropical fruits, total.....	6 20, 380, 559				172, 184, 856	7 8 45
Oranges.....	6 14, 577, 568	Box.....	43, 465, 133	7 3 0	119, 738, 658	7 8 21
Lemons.....	6 2, 770, 197	do.....	9, 273, 473	7 3 3	42, 974, 061	7 15 51
Grapefruit.....	6 1, 478, 433	do.....	2, 701, 051	7 1 8	6, 853, 367	7 4 63
Olives.....	6 1, 148, 983	Pound.....	39, 906, 000	7 34 7	1, 636, 665	7 1 42
All other subtropical fruits.....	6 405, 323				983, 105	7 2 43
Nuts, total.....	6 3, 016, 984	Pound.....	74, 006, 530	7 24 5	12, 203, 911	7 4 05
Walnuts (English or Persian).....	6 1, 663, 775	do.....	69, 368, 209	7 41 7	11, 101, 932	7 6 67
All other nuts.....	6 1, 353, 209	do.....	4, 638, 321	7 3 4	1, 101, 979	7 81
Small fruits, total.....	20, 348	Quart.....	38, 549, 095	1, 894 5	6, 305, 508	309 88
Strawberries.....	13, 505	do.....	27, 023, 843	2, 001 0	4, 482, 194	331 89
Raspberries.....	4, 104	do.....	7, 255, 658	1, 767 9	1, 255, 188	305 85
All other small fruits.....	2, 739	do.....	4, 269, 594	1, 558 8	568, 126	207 42

¹ Not including acreage of annual legumes saved for hay which is practically all duplicated in "Other grains and seeds," but including value of leguminous hay

² Includes cowpeas

³ Includes soy and velvet beans

⁴ Acreage included in totals for "tame hay" and "hay crops" but not in total acreage for all crops

⁵ Not available

⁶ Trees of bearing age

⁷ Average per tree

⁸ Vines of bearing age

⁹ Average production per vine.

¹⁰ Average value per vine.

Source: Bureau of the Census, Department of Commerce.

No. 513.—DRAINAGE: SUMMARY FOR THE UNITED STATES

NOTE.—The statistics for drainage on farms in the first part of this table were collected from the individual farmers while those for drainage enterprises were obtained from a special canvass of organized drainage enterprises. A farm may have artificial drainage without being connected with any general enterprise, conversely, a general enterprise may facilitate the ultimate removal of water from a farm which has itself no artificial drainage. Drainage enterprises comprise public corporations and local improvement districts established under State laws relating to drainage, commercial enterprises draining land for sale, other organizations engaged in extensive land drainage work, and tracts of 500 acres or more drained by individual farm owners. The enterprises may include timbered and other unimproved land not yet in farms. The canvass of drainage enterprises did not include any of the northeastern States, and no enterprises were found in Alabama or West Virginia, and in 1919 none also in Virginia.

Item	Census of—		Per cent increase 1920-1930 ¹
	1920	1930	
FARMS AND DRAINAGE ON FARMS			
All farms.....number.....	6, 448, 343	6, 288, 648	-2.5
Farms reporting drainage.....do.....	924, 815	651, 172	-29.6
All land in farms.....1,000 acres.....	955, 884	986, 771	3.2
Farm land provided with drainage.....do.....	53, 025	44, 524	-16.0
AREA, DRAINS, AND INVESTMENT IN ENTERPRISES			
Approximate land area of 35 States reporting organized drainage enterprises ².....1,000 acres.....	1, 717, 932	1, 743, 700	1.5
Land in drainage enterprises.....do.....	65, 495	84, 408	28.9
Improved land.....do.....	44, 288	63, 514	43.4
Unimproved land.....do.....			
Woodland.....do.....	11, 284	11, 310	0.2
Other.....do.....	9, 923	9, 584	-3.4
Land unfit to raise any crop for lack of drainage.....do.....	³ 7, 224	7, 396	2.4
Land drained, fit to raise normal crop.....do.....	(⁴)	66, 234	-----
Land partly drained, fit for partial crop.....do.....	⁵ 3, 011	10, 778	257.9
Land in occupied farms.....do.....	(⁴)	68, 640	-----
Land in planted crops.....do.....	(⁴)	54, 428	-----
Land idle.....do.....	(⁴)	20, 003	-----
Ditches, completed.....miles.....	107, 468	138, 673	29.0
Tile drains, completed.....do.....	42, 312	55, 032	30.1
Capital invested in enterprises.....1,000 dollars.....	372, 274	680, 733	82.9
Average, per acre.....dollars.....	5.68	8.06	41.9

¹ A minus sign (—) denotes decrease

⁴ Not called for on schedule.

² For States included (34 in 1920 and 35 in 1930) see Table 515

³ "Swampy, subject to overflow, seeped, or alkali."

⁴ "Suffering a loss of crops from defective drainage."

No. 514.—LAND AND CAPITAL IN DRAINAGE ENTERPRISES: By DATE OF ORGANIZATION AND BY CHARACTER OF ENTERPRISE: 1930

Date of organization	Land	Area of enterprises		Capital invested to Jan. 1, 1930	Character of enterprise	Land in enterprises ¹	Capital	
		Total	Overlapped area				Invested to Jan. 1, 1930	Additional required to complete
	1,000 acres	1,000 acres	1,000 acres	1,000 dollars		1,000 acres	1,000 dollars	1,000 dollars
All enterprises.....	84, 408	128, 495	44, 087	680, 733	Total.....	84, 408	680, 733	8, 346
Before 1870.....	919	1, 057	138	1, 263	Drainage districts.....	32, 545	357, 799	6, 781
1870-1879.....	2, 517	3, 481	964	11, 318	County drains.....	47, 547	287, 392	434
1880-1889.....	6, 053	9, 549	3, 496	28, 035	Township drains.....	194	944	3
1890-1899.....	5, 958	11, 265	5, 308	32, 839	State projects.....	608	1, 449	-----
1900-1904.....	7, 666	12, 381	4, 715	34, 140	Irrigation enterprises.....	2, 645	23, 260	2, 074
1905-1909.....	18, 328	23, 863	5, 535	111, 612	Commercial developments.....	72	3, 083	25
1910-1914.....	16, 448	22, 332	5, 883	125, 953	Individual ownership.....	782	6, 579	29
1915-1919.....	15, 803	23, 422	7, 619	190, 583	Character not precisely reported.....	14	227	-----
1920-1924.....	7, 428	12, 736	5, 308	102, 977				
1925-1929.....	3, 288	8, 410	5, 122	42, 012				

¹ Before tabulation the area in each enterprise was reduced by the amount of overlapping with enterprises organized previously

Source of Tables 513 and 514 Bureau of the Census, Department of Commerce

No. 515.—LAND AND CAPITAL IN DRAINAGE ENTERPRISES: BY STATES

Division and State	Land in drainage enterprises		Drainage condition in 1929			Land in occupied farms, 1929		Capital invested in enterprises	
	1919	1929	Land unfit for any crop for lack of drainage	Land drained, fit for normal crop	Land partly drained, fit for partial crop	Total land	Land planted	1919	1929
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
United States	65,436,038	84,408,093	7,396,078	66,234,390	10,777,625	68,640,109	54,427,577	572,274	680,733
East North Central									
Illinois.....	31,627,176	33,485,754	1,288,906	29,439,215	2,757,633	32,689,727	26,317,269	134,274	209,880
Indiana.....	8,107,204	8,165,494	102,290	7,495,881	567,323	8,132,973	6,800,406	30,680	36,836
Michigan.....	9,087,183	10,214,014	222,269	9,303,627	688,218	10,150,221	8,454,498	31,148	54,111
Ohio.....	3,909,049	5,032,682	275,800	4,510,111	246,771	5,005,376	4,248,907	43,595	75,049
Wisconsin.....	9,729,171	9,180,851	531,454	7,581,151	1,068,246	8,826,265	6,462,936	24,684	37,677
Minnesota.....	794,569	892,713	157,093	548,545	187,075	574,892	350,522	4,163	6,207
West North Central									
Iowa.....	19,217,367	23,690,882	2,412,875	18,440,603	2,837,404	20,212,282	15,799,777	121,562	206,191
Missouri.....	9,232,709	11,474,683	2,037,481	7,322,252	2,114,950	8,782,323	5,916,067	42,017	64,140
Nebraska.....	5,224,478	6,137,649	68,371	5,846,118	223,180	6,105,496	5,376,805	49,627	77,479
North Dakota.....	2,596,204	3,150,022	253,251	2,530,697	366,074	2,427,599	2,067,727	20,723	47,340
South Dakota.....	1,240,328	1,094,142	13,440	1,055,429	25,273	1,064,114	908,979	2,208	3,149
Kansas.....	222,062	697,758	26,601	614,210	56,947	684,746	567,285	1,461	4,535
Texas.....	607,730	879,459	10,139	829,681	39,639	864,159	743,178	6,84	6,847
Oklahoma.....	93,856	257,169	3,592	242,216	11,361	253,845	219,736	937	2,701
South Atlantic									
Virginia.....	2,385,384	6,941,716	1,516,966	2,605,877	2,818,873	893,634	587,512	18,847	53,632
North Carolina.....	15,042	15,042	13,138	13,138	1,904	5,704	4,748	242	242
South Carolina.....	542,828	679,236	79,267	438,992	160,977	331,121	267,525	3,623	4,719
Georgia.....	140,031	208,249	33,002	139,587	35,660	94,744	61,606	582	1,265
Florida.....	65,452	84,255	24,114	46,592	13,549	63,865	37,097	795	1,918
Alabama.....	1,637,073	5,954,934	1,380,583	1,967,568	2,606,783	398,200	216,536	13,847	45,488
East South Central									
Kentucky.....	2,323,595	4,167,681	466,687	3,231,281	469,713	3,021,791	2,334,721	11,524	35,328
Tennessee.....	358,480	585,625	47,302	428,883	109,440	515,101	320,084	1,522	5,358
Mississippi.....	363,671	593,560	133,230	367,805	92,525	413,791	212,890	2,926	6,367
Louisiana.....	1,601,444	2,988,496	286,155	2,434,593	267,748	2,092,899	1,801,947	7,076	23,601
West South Central									
Arkansas.....	7,924,197	11,340,152	1,597,904	8,243,890	1,498,358	7,570,988	5,662,415	28,946	72,572
Louisiana.....	3,479,591	4,631,155	586,664	3,435,280	609,211	2,940,035	2,425,632	14,147	37,532
Oklahoma.....	2,266,328	3,655,483	786,889	2,486,972	381,622	2,571,531	1,822,620	9,022	20,763
Texas.....	12,150	170,158	5,734	143,221	21,203	163,936	135,956	76	2,284
New Mexico.....	2,166,128	2,883,356	218,617	2,178,417	486,322	1,895,486	1,278,207	5,701	12,003
Mountain									
Montana.....	810,076	1,969,770	59,687	1,779,788	130,315	1,728,787	1,504,265	7,840	27,877
Idaho.....	168,682	167,629	6,388	152,871	8,370	150,844	114,266	665	1,879
Wyoming.....	64,642	375,464	13,670	333,204	28,590	362,303	334,546	1,669	5,112
Colorado.....	95,474	245,703	9,021	219,762	16,920	188,327	163,015	1,176	5,251
New Mexico.....	171,656	366,719	5,504	313,039	48,176	305,966	274,922	1,082	4,359
Arizona.....	140,219	176,292	15,220	144,750	16,322	151,516	137,570	1,711	3,279
Utah.....	39,640	318,931	4,125	313,112	1,694	304,802	278,066	414	1,875
Nevada.....	113,823	156,052	5,600	142,941	7,811	109,518	90,368	1,005	4,772
California.....	15,940	162,980	139	160,109	2,732	155,491	111,512	118	1,350
Pacific									
Washington.....	1,207,243	2,812,138	53,073	2,493,736	265,329	2,522,920	2,221,618	49,285	75,255
Oregon.....	94,924	367,242	9,879	329,166	28,197	351,898	309,818	1,398	4,638
California.....	4,000	211,182	30,575	153,381	27,226	146,576	116,987	200	4,165
Alaska.....	1,108,319	2,233,714	12,619	2,011,189	209,906	2,024,446	1,794,813	47,687	66,452

Source Bureau of the Census, Department of Commerce.

25.—FARMS—GENERAL STATISTICS

[Data in this section relate to continental United States]

No. 516.—POPULATION, FARMS, AND FARM PROPERTY

[Figures for 1930 relate to Apr. 1, for 1920 and 1925 to Jan. 1, for 1910 to Apr. 15, and for earlier years to June 1]

Item	1850	1890	1900	1910	1920	1925	1930
Total population.....	23, 191, 876	62, 947, 714	75, 994, 575	91, 972, 266	105, 710, 620	¹ 114, 035, 000	122, 775, 046
Urban.....	22, 298, 359	30, 380, 433	42, 166, 120	54, 304, 603	¹ 61, 451, 000	¹ 61, 451, 000	68, 954, 823
Rural.....	40, 649, 355	45, 614, 142	49, 806, 146	51, 406, 017	¹ 52, 584, 000	¹ 52, 584, 000	53, 820, 223
Per cent of total.....		64. 6	60. 0	54. 2	48. 6	46. 1	43. 8
Farm population ²					31, 614, 269	(³)	30, 445, 350
Per cent of total.....					29. 9	(³)	24. 8
Per cent of rural.....					61. 5	(³)	56. 6
Number of farms.....	1, 449, 073	4, 564, 641	5, 737, 372	6, 361, 503	6, 448, 343	6, 371, 640	6, 288, 648
Acreage in thousands—							
Approximate land area of United States.....	1, 884, 376	1, 903, 338	1, 903, 462	1, 903, 290	1, 903, 215	1, 903, 217	1, 903, 217
All land in farms.....	293, 561	623, 219	838, 592	878, 798	955, 884	924, 319	986, 771
Crop land.....						391, 460	413, 236
Pasture land.....						407, 959	464, 155
Woodland not pastured.....						67, 067	64, 624
All other.....						57, 834	44, 757
Per cent of total land area represented by all land in farms.....	15. 6	32. 7	44. 1	46. 2	50. 2	48. 6	51. 8
Average acreage per farm, all land.....	202. 6	138. 5	146. 2	138. 1	148. 2	145. 1	156. 9
Value of all farm property (thousands of dollars).....	3, 987, 344	16, 082, 268	20, 439, 801	40, 991, 449	77, 923, 652	57, 017, 740	57, 245, 544
Land and buildings.....	3, 271, 575	13, 279, 253	16, 614, 647	34, 801, 126	60, 316, 003	49, 467, 647	47, 879, 838
Land ⁴			13, 058, 008	28, 475, 674	54, 829, 563	37, 721, 018	34, 329, 845
Buildings.....			3, 556, 639	6, 325, 452	11, 486, 440	11, 746, 629	12, 549, 994
Implements and machinery.....	151, 588	494, 247	749, 776	1, 265, 150	3, 594, 773	2, 691, 704	3, 301, 654
Livestock.....	544, 181	2, 308, 768	3, 075, 478	4, 925, 174	8, 012, 876	4, 858, 389	⁶ 6, 064, 051
Per cent of value of all farm property represented by—							
Land and buildings.....	82. 5	82. 6	81. 3	84. 9	85. 1	86. 8	83. 6
Land.....			63. 9	69. 5	70. 4	66. 2	61. 0
Buildings.....			17. 4	15. 4	14. 7	20. 6	22. 6
Implements and machinery.....	3. 8	3. 1	3. 7	3. 1	4. 6	4. 7	5. 8
Livestock.....	13. 7	14. 4	15. 0	12. 0	10. 3	8. 5	10. 6
Average value of all farm property per farm (dollars).....	2, 738	3, 523	3, 563	6, 444	12, 084	8, 949	8, 103
Land and buildings.....	2, 258	2, 909	2, 896	5, 471	10, 284	7, 764	7, 614
Land.....			2, 276	4, 476	8, 803	5, 920	5, 564
Buildings.....			620	994	1, 781	1, 844	2, 059
Implements and machinery.....	108	108	131	199	557	422	525
Livestock.....	376	506	536	774	1, 243	763	964
Average value of all farm property per acre (dollars).....	13. 51	25. 81	24. 37	46. 64	81. 52	61. 69	58. 01
Land and buildings.....	11. 14	21. 31	19. 81	39. 60	69. 38	53. 52	48. 52
Land.....			15. 57	32. 40	57. 36	40. 81	35. 40
Buildings.....			4. 24	7. 20	12. 02	12. 71	13. 12
Implements and machinery.....	. 52	. 79	. 89	1. 44	3. 76	2. 91	3. 35
Livestock.....	1. 85	3. 70	3. 67	5. 60	8. 38	5. 26	6. 15

¹ Revised estimates as of Jan. 1, 1925.

² For definition of urban and rural population, see headnote, Table 7, p. 6.

³ The 1930 farm population comprises all persons living on farms without regard to occupation, the 1920 figures include also those farm laborers (and their families) who, while not living on farms, lived outside the limits of any incorporated place. A further difference is due to the fact that the 1920 census was taken in January, while the 1930 census was taken in April, when the number of persons on farms is appreciably larger. For farm population by States see Table 10, p. 8.

⁴ Farm population figures were obtained on the farm schedule in the Agricultural Census of 1925, while in 1920 and 1930 they were obtained from the population schedule. Owing to the different method of collecting the information, the 1925 figures are not here presented for comparison with the 1920 and 1930 returns pending a further analysis of the data.

⁵ These figures include the value of fences, tile drains, and other incidental improvements on the land, excluding only the value of buildings.

⁶ Domestic animals, chickens, and bees.

Source: Bureau of the Census, Department of Commerce.

No. 517.—CLASSIFICATION OF FARM LAND: BY STATES, 1930

NOTE.—For total land in farms, see Table 518

[All figures in thousands of acres]

Division and State	Crop land				Land in pasture				Wood-land not pas-tured	All other land
	Total	Har-vested in 1929	Crop failure in 1929	Idle or fallow	Total	Flow-able	Wood-land	Other		
United States...	413,236	359,242	12,707	41,287	464,155	109,160	85,322	269,673	64,624	44,757
New England.....	4,015	3,659	41	315	6,266	964	3,147	2,155	3,253	749
Maine.....	1,402	1,304	6	91	1,637	259	879	499	1,362	239
New Hampshire....	422	380	4	38	933	106	576	250	495	110
Vermont.....	1,128	1,074	7	48	2,192	274	1,018	900	486	90
Massachusetts.....	564	474	10	80	753	162	345	247	518	170
Rhode Island.....	68	55	2	11	100	35	38	27	64	27
Connecticut.....	431	372	12	47	651	128	291	232	308	113
Middle Atlantic....	16,955	14,324	336	2,296	12,216	4,353	3,334	4,529	3,943	1,933
New York.....	8,154	6,959	169	1,026	7,300	2,376	1,949	2,975	1,685	840
New Jersey.....	987	777	20	191	340	198	47	95	232	199
Pennsylvania.....	7,814	6,588	147	1,079	4,576	1,779	1,338	1,459	2,026	894
East North Central..	63,432	56,644	1,595	5,193	36,316	14,628	12,548	9,140	4,527	6,616
Ohio.....	11,269	10,116	227	927	8,038	3,702	1,854	2,421	920	1,287
Indiana.....	11,722	10,214	348	1,161	5,956	2,810	1,834	1,312	785	1,224
Illinois.....	21,140	18,958	701	1,480	7,607	4,092	2,010	1,506	732	1,217
Michigan.....	9,094	7,738	197	1,159	5,892	2,064	2,410	1,418	825	1,308
Wisconsin.....	10,207	9,618	122	466	8,823	1,900	4,440	2,483	1,265	1,580
West North Central..	150,285	138,716	4,058	7,511	98,214	34,406	13,261	50,547	4,498	12,491
Minnesota.....	19,491	18,445	255	790	8,248	2,249	3,656	2,342	1,090	2,085
Iowa.....	22,738	22,276	232	231	9,509	4,932	1,969	2,558	245	1,528
Missouri.....	15,646	13,176	806	1,665	14,297	7,018	5,262	2,017	2,438	1,361
North Dakota.....	24,528	21,265	854	2,419	10,758	3,183	400	7,176	158	3,213
South Dakota.....	19,003	17,856	583	863	15,917	5,707	395	9,815	93	1,455
Nebraska.....	26,344	21,399	360	584	20,798	4,160	785	15,840	143	1,424
Kansas.....	26,535	24,309	968	1,259	18,687	7,107	781	10,799	323	1,425
South Atlantic.....	34,066	27,620	568	5,979	21,794	7,786	9,067	4,942	24,668	5,834
Delaware.....	504	408	9	88	122	83	16	24	188	86
Maryland.....	2,129	1,742	18	370	959	539	205	215	1,008	279
Dist. of Columbia..	2	2	(¹)	(¹)	1	(¹)	(¹)	(¹)	(¹)	(¹)
Virginia.....	5,059	3,975	80	1,002	5,593	2,925	1,528	1,140	5,167	910
West Virginia.....	1,907	1,655	25	227	4,511	1,718	1,121	1,672	2,008	376
North Carolina.....	7,012	5,810	129	1,074	2,845	888	1,424	534	6,902	1,295
South Carolina.....	5,037	4,137	97	803	1,793	351	1,052	390	2,851	712
Georgia.....	10,447	8,337	164	1,946	4,652	980	2,880	791	5,493	1,488
Florida.....	1,969	1,454	46	469	1,319	302	841	176	1,051	688
East South Central..	30,247	25,148	600	4,499	22,737	10,845	8,076	3,816	14,844	4,990
Kentucky.....	6,927	5,331	150	1,446	8,120	5,395	1,403	1,322	3,394	1,487
Tennessee.....	7,666	6,106	146	1,414	5,168	2,751	1,528	888	3,885	1,285
Alabama.....	8,199	7,114	157	928	4,105	1,204	2,291	611	4,195	1,055
Mississippi.....	7,455	6,597	147	711	5,344	1,495	2,854	995	3,370	1,163
West South Central..	64,747	56,837	2,863	5,046	107,609	16,491	20,997	70,121	6,854	4,686
Arkansas.....	7,907	6,582	232	1,093	3,792	1,170	2,064	558	3,370	974
Louisiana.....	4,741	4,068	130	543	2,235	916	917	402	1,742	638
Oklahoma.....	17,333	15,553	698	1,082	14,640	3,249	3,567	7,824	493	1,326
Texas.....	34,766	30,634	1,803	2,328	86,942	11,166	14,440	61,337	1,240	1,758
Mountain.....	30,651	23,279	2,063	5,309	121,392	15,217	6,839	99,336	591	4,817
Montana.....	11,399	7,841	789	2,769	31,676	4,695	1,642	25,340	178	1,406
Idaho.....	4,073	3,150	87	836	4,392	379	736	3,276	124	758
Wyoming.....	2,293	2,008	96	189	20,837	2,322	468	18,047	48	348
Colorado.....	8,449	6,750	858	840	19,338	4,215	1,411	13,713	131	958
New Mexico.....	1,799	1,494	98	207	28,494	3,198	1,752	23,544	66	463
Arizona.....	649	478	35	135	9,682	102	597	8,983	20	176
Utah.....	1,495	1,160	48	288	3,662	228	177	3,257	14	442
Nevada.....	494	398	52	45	3,311	78	56	3,176	10	266
Pacific.....	18,888	13,115	593	5,139	37,611	4,470	5,053	25,087	1,446	2,631
Washington.....	6,275	3,659	178	2,438	6,241	578	1,488	4,175	386	631
Oregon.....	4,173	2,906	111	1,165	11,379	817	2,619	7,942	503	495
California.....	8,390	6,550	294	1,546	19,991	3,075	3,946	12,970	557	1,505

¹ Less than 500

Source: Bureau of the Census, Department of Commerce.

No. 518.—NUMBER AND ACREAGE OF FARMS:

Division and State	Number of farms					All land in farms (thousands of acres)		
	1900	1910	1920	1925	1930	1900	1910	1920
United States.....	5, 737, 372	6, 361, 502	6, 448, 343	6, 371, 640	6, 288, 648	838, 592	878, 798	955, 894
New England	191, 888	188, 802	156, 564	159, 489	124, 925	20, 549	19, 715	16, 991
Maine.....	59, 299	60, 016	48, 227	50, 033	39, 006	6, 300	6, 297	5, 426
New Hampshire.....	29, 324	27, 053	20, 523	21, 065	14, 906	3, 610	3, 249	2, 604
Vermont.....	33, 104	32, 709	29, 075	27, 786	24, 898	4, 724	4, 664	4, 236
Massachusetts.....	37, 715	36, 917	32, 001	33, 454	25, 598	3, 147	2, 876	2, 494
Rhode Island.....	5, 498	5, 292	4, 083	3, 911	3, 322	456	443	332
Connecticut.....	26, 948	26, 815	22, 655	23, 240	17, 195	2, 312	2, 186	1, 899
Middle Atlantic	485, 618	468, 379	425, 147	418, 868	357, 803	44, 860	43, 191	40, 573
New York.....	226, 720	215, 597	193, 195	188, 754	159, 806	22, 648	22, 030	20, 633
New Jersey.....	34, 650	33, 487	29, 702	29, 071	25, 378	2, 841	2, 574	2, 283
Pennsylvania.....	224, 248	219, 295	202, 250	200, 443	172, 419	19, 371	18, 587	17, 658
East North Central	1, 135, 823	1, 123, 489	1, 084, 744	1, 051, 572	968, 502	116, 341	117, 929	117, 735
Ohio.....	276, 719	272, 045	256, 695	244, 703	219, 296	24, 502	24, 106	23, 516
Indiana.....	221, 897	215, 435	205, 126	198, 786	181, 670	21, 620	21, 300	21, 063
Illinois.....	264, 151	251, 872	237, 181	225, 601	214, 497	32, 795	32, 523	31, 975
Michigan.....	203, 261	206, 960	196, 447	192, 327	169, 372	17, 562	18, 941	19, 033
Wisconsin.....	169, 795	177, 127	189, 295	193, 155	181, 767	19, 863	21, 060	22, 148
West North Central	1, 060, 744	1, 109, 948	1, 096, 951	1, 111, 314	1, 112, 755	201, 009	232, 648	256, 973
Minnesota.....	154, 659	156, 137	178, 478	188, 231	185, 255	26, 248	27, 676	30, 222
Iowa.....	228, 622	217, 044	213, 439	213, 490	214, 928	34, 574	33, 931	33, 475
Missouri.....	284, 886	277, 244	263, 004	260, 473	255, 490	33, 998	34, 591	34, 775
North Dakota.....	45, 332	74, 360	77, 690	75, 970	77, 975	15, 543	28, 427	36, 215
South Dakota.....	52, 622	77, 644	74, 637	79, 537	83, 157	19, 071	26, 017	34, 636
Nebraska.....	121, 525	129, 678	124, 417	127, 734	129, 458	29, 912	38, 622	42, 225
Kansas.....	173, 098	177, 841	165, 286	165, 879	166, 042	41, 663	43, 385	45, 425
South Atlantic	962, 225	1, 111, 881	1, 158, 976	1, 108, 061	1, 058, 468	104, 298	103, 782	97, 775
Delaware.....	9, 687	10, 836	10, 140	10, 257	9, 707	1, 066	1, 039	945
Maryland.....	46, 012	48, 923	47, 908	49, 001	43, 203	5, 170	5, 057	4, 768
District of Columbia.....	269	217	204	139	104	8	6	6
Virginia.....	167, 886	184, 018	186, 242	193, 723	170, 610	19, 908	19, 496	18, 561
West Virginia.....	92, 874	96, 685	87, 289	90, 380	82, 641	10, 655	10, 026	9, 570
North Carolina.....	224, 637	253, 725	269, 763	283, 482	279, 708	22, 749	22, 439	20, 022
South Carolina.....	155, 355	176, 434	192, 693	172, 767	157, 931	13, 985	13, 512	12, 427
Georgia.....	224, 691	291, 027	310, 732	249, 095	255, 598	26, 392	26, 693	25, 441
Florida.....	40, 814	50, 016	54, 005	59, 217	58, 966	4, 364	5, 254	6, 047
East South Central	903, 313	1, 042, 480	1, 051, 600	1, 008, 052	1, 062, 214	81, 248	81, 521	78, 897
Kentucky.....	234, 667	259, 185	270, 626	258, 524	246, 499	21, 979	22, 189	21, 613
Tennessee.....	224, 623	246, 012	252, 774	252, 669	245, 657	20, 342	20, 042	19, 511
Alabama.....	223, 220	262, 901	256, 099	237, 631	257, 395	20, 685	20, 732	19, 577
Mississippi.....	220, 803	274, 382	272, 101	257, 228	312, 663	18, 241	18, 558	18, 197
West South Central	754, 853	943, 186	998, 088	1, 017, 305	1, 103, 134	176, 491	169, 150	173, 449
Arkansas.....	178, 694	214, 678	232, 604	221, 991	242, 334	16, 637	17, 416	17, 457
Louisiana.....	115, 969	120, 546	135, 463	132, 450	161, 445	11, 059	10, 439	10, 020
Oklahoma ¹	108, 000	190, 192	191, 988	197, 218	203, 866	22, 988	28, 599	31, 952
Texas.....	352, 190	417, 770	436, 033	465, 646	495, 489	125, 807	112, 435	114, 021
Mountain	101, 327	183, 446	244, 109	233, 392	241, 314	46, 397	59, 593	117, 337
Montana.....	13, 370	26, 214	57, 677	46, 904	47, 495	11, 844	13, 546	35, 071
Idaho.....	17, 471	30, 807	42, 106	40, 592	41, 674	3, 205	5, 284	8, 376
Wyoming.....	6, 095	10, 987	15, 748	15, 512	16, 011	8, 125	8, 543	11, 809
Colorado.....	24, 700	46, 170	59, 934	58, 020	59, 956	9, 475	13, 532	24, 462
New Mexico.....	12, 311	35, 676	29, 844	31, 687	31, 404	5, 131	11, 270	24, 410
Arizona.....	5, 809	9, 227	9, 975	10, 802	14, 173	1, 935	1, 247	5, 802
Utah.....	19, 387	21, 676	25, 662	25, 992	27, 159	4, 117	3, 398	5, 050
Nevada.....	2, 184	2, 689	3, 163	3, 883	3, 442	2, 566	2, 715	2, 357
Pacific	141, 581	189, 891	234, 164	265, 587	261, 733	47, 400	51, 399	56, 153
Washington.....	33, 202	56, 192	66, 288	73, 267	70, 904	8, 499	11, 712	13, 245
Oregon.....	35, 837	45, 502	50, 206	55, 911	55, 153	10, 071	11, 685	13, 542
California.....	72, 542	88, 197	117, 670	136, 409	135, 676	28, 829	27, 931	29, 366

¹ Figures for 1900 include Indian Territory.

NUMBER AND ACREAGE OF FARMS

543

BY STATES, WITH AVERAGES AND PERCENTAGES

All land in farms (thousands of acres)—Continued		Crop land (thousands of acres)		Average acreage per farm				Per cent of total land area in farms				Division and State
1925	1930	1924	1929	1910	1920	1925	1930	1910	1920	1925	1930	
924, 319	966, 771	391, 460	413, 236	138 1	148 2	145 1	156 9	46 2	50.2	48 6	51.8	U. S.
15, 858	14, 283	4, 624	4, 015	104 4	108.5	99.4	114.3	49 7	42.8	40 0	36 0	N. E.
5, 161	4, 640	1, 644	1, 402	104 9	112 5	103 2	119 0	32 9	23 4	27 0	24 3	Me.
2, 262	1, 960	543	422	120 1	126 9	107 4	131 5	56 2	45.0	39 1	33 9	N. H.
3, 926	3, 896	1, 150	1, 128	142 6	145 7	141 3	156 5	79 9	72.5	67 2	66 7	Vt.
2, 368	2, 006	677	564	77 9	77 9	70 8	78 3	55 9	48.5	46 0	39 0	Mass.
309	279	76	68	83 8	81.2	79 0	84 1	64.9	48.6	45 3	40 9	R. I.
1, 832	1, 502	534	431	81 5	83.8	78 8	87 4	70 9	61.6	59 4	48 7	Conn.
37, 491	35, 047	18, 645	18, 955	92 2	95.4	89.5	98 0	67 5	63.4	58 6	54 8	M. A.
19, 270	17, 980	9, 088	8, 154	102 2	106.8	102 1	112 5	72 2	67.7	63 2	59 0	N. Y.
1, 925	1, 758	1, 126	987	76 9	76.8	64.9	69.3	53.5	47.5	40 0	36.6	N. J.
16, 296	15, 309	8, 431	7, 814	84.8	87.3	81 3	88 8	64.8	61.5	56 8	53 4	Pa.
112, 752	110, 891	64, 790	63, 432	105 0	108.5	107 2	114 7	75 0	74.9	71 7	70 6	E. N. C.
22, 219	21, 514	11, 695	11, 269	88 6	91 6	90 8	98 1	92 5	90.2	85 2	82 5	Ohio.
19, 915	19, 089	11, 981	11, 722	88 8	102.7	101 7	108 4	92 3	91.3	86 3	85 3	Ind.
30, 732	30, 695	21, 315	21, 140	129 1	134 8	136 2	143 1	90 7	89.1	85 7	85 6	Ill.
18, 035	17, 119	9, 671	9, 094	91 5	96 9	93 8	101 1	51 5	51.7	49 0	46 5	Mich.
21, 851	21, 874	10, 128	10, 207	118 9	117.0	113 1	120.3	59 6	62.6	61 8	61.9	Wis.
248, 081	265, 488	138, 827	150, 285	209.6	234.3	223 2	238 6	71 2	78.6	75 9	81 2	W. N. C.
30, 059	30, 913	18, 651	19, 491	177 3	169.3	159.7	166 9	53.5	58.4	58 1	59 7	Minn.
33, 281	34, 019	21, 998	22, 738	156 3	156.8	155.9	158 3	95 4	94.1	93 6	95 6	Iowa.
32, 642	33, 743	15, 278	15, 646	124 8	132 2	125 3	131.8	78 6	79.1	74 2	76 7	Mo.
34, 327	38, 658	21, 864	24, 528	382 3	466.1	451 9	495 8	63 3	80.6	76 4	86 1	N. Dak.
32, 018	36, 470	16, 441	19, 003	335 1	464 1	402 6	438.6	52 9	70.4	65 1	74 1	S. Dak.
42, 025	44, 709	20, 698	22, 344	297 8	339.4	329.0	345 4	78 6	85.9	85 5	91 0	Nebr.
43, 729	46, 976	23, 897	26, 535	244.0	274.8	263 6	282 9	82 9	86.8	83 6	89 8	Kans.
88, 589	86, 363	34, 649	34, 066	93 3	84.4	79.9	81 6	60 3	56.8	51 4	50 2	S. A.
900	901	519	504	95 9	93.1	87.7	92 8	82 6	75.1	71 5	71 6	Del.
4, 433	4, 374	2, 228	2, 129	103.4	99.3	90.5	101 3	79 5	74.8	69 7	68 8	Md.
4	3	2	2	27 9	27.8	27 4	29 5	15 8	14.8	9 6	7.7	D. C.
17, 210	16, 729	5, 368	5, 059	105 9	99.7	88.8	98 1	75 7	72.0	66 8	64.9	Va.
8, 980	8, 802	1, 921	1, 907	103 7	109 6	99 4	106 5	65.2	62.2	58 4	57 3	W. Va.
18, 594	18, 055	6, 857	7, 012	88 4	74.2	65 6	64 5	71 9	64.2	59 6	57 9	N. C.
10, 639	10, 393	5, 036	5, 037	76 6	64 5	61 6	65 8	69 2	63.7	54 5	53 3	S. C.
21, 945	22, 079	10, 696	10, 447	92 6	81.9	88.1	86 4	71 7	67.7	58 4	58.7	Ga.
5, 865	5, 027	2, 022	1, 969	105.0	112.0	99 0	85 2	15 0	17.2	16 7	14.3	Fla.
70, 607	72, 818	28, 817	30, 247	78.2	75.0	70.2	68.6	71.0	68.7	61 5	63 4	E. S. C.
19, 913	19, 928	6, 827	6, 927	85.6	79.9	77.0	80 8	86 3	84.0	77.4	77.5	Ky.
17, 901	18, 003	7, 589	7, 666	81.5	77 2	70 8	73 3	75.1	73.1	67 1	67.5	Tenn.
16, 739	17, 555	7, 692	8, 199	78 9	76.4	70 4	68 2	63.2	59.7	51 0	53 5	Ala.
16, 053	17, 332	6, 709	7, 455	67.6	66.9	62 4	55 4	62 6	61.3	54 1	58.4	Miss.
165, 013	183, 906	58, 809	64, 747	179.3	174.1	182.2	188 7	61.5	63.1	60 0	66.9	W. S. C.
15, 632	16, 053	7, 323	7, 907	81.1	75.0	70 4	66 2	51 8	51.9	46 5	47 8	Ark.
8, 838	9, 355	4, 279	4, 741	86.6	74.0	66 7	57 9	35.9	34.5	30 4	32 2	La.
30, 869	33, 791	15, 838	17, 333	151 7	166.4	156 5	165 8	65 0	71.9	69 5	76 1	Okl.
109, 674	124, 707	29, 369	34, 766	269.1	261.5	235 5	251 7	67 0	67.9	65 3	74 3	Tex.
131, 689	157, 450	25, 587	30, 651	324 5	480.7	564.2	652 5	10 8	21.3	24 0	28 6	Mt.
32, 736	44, 659	8, 474	11, 399	516 7	608 1	697 9	940 3	14 5	37.5	35 0	47 8	Mont.
8, 116	9, 347	3, 714	4, 073	171 5	198 9	199 9	224.3	9 9	15.7	15 2	17 5	Idaho.
18, 663	23, 525	1, 878	2, 293	777 6	749 9	1, 203 2	1, 469 3	13 7	18.9	29 9	37 7	Wyo.
24, 167	28, 876	7, 199	8, 449	293 1	408 1	416 5	481 6	20 4	36.9	36 4	43 5	Colo.
27, 850	30, 822	1, 785	1, 799	315 9	817.9	878 9	981 5	14 4	31.1	35 5	39 3	N. Mex.
11, 065	10, 527	578	649	135 1	581 7	1, 024 4	742 7	1 7	8.0	15 2	14 5	Ariz.
5, 001	5, 613	1, 425	1, 495	156 7	196.8	192 4	206 7	6 5	9.6	9 5	10 7	Utah.
4, 091	4, 081	534	494	1, 009 6	745 2	1, 053 5	1, 185 6	3.9	3.4	5 8	5 8	Nev.
64, 258	60, 525	19, 712	18, 898	270 3	239.8	204.3	231 2	25 2	27.6	26 7	29 7	Pac.
12, 610	13, 534	6, 084	6, 275	208 4	199.8	172 1	190.9	27 4	31.0	29 5	31 6	Wash.
14, 131	16, 549	4, 227	4, 173	256 8	268.7	252 7	300 1	19 1	22.1	23.1	27 0	Oreg.
27, 517	30, 442	8, 401	8, 390	316 7	249 6	201.7	224 4	28 0	29.5	27 6	30 6	Calif.

No. 519.—VALUE OF FARM PROPERTY: ALL PROPERTY, LAND,

[All amounts in

Division and State	Value of all farm property				Value of land			
	1910	1920	1925	1930	1910	1920	1925	1930
United States	40,991,449	77,923,652	57,017,740	57,245,544	28,475,674	54,829,563	37,721,018	34,929,845
New England	867,240	1,173,020	1,091,545	1,156,353	382,134	488,125	413,932	440,972
Maine.....	199,272	270,527	245,869	248,696	86,481	114,412	97,524	95,621
New Hampshire.....	103,704	118,656	107,084	99,601	44,519	47,425	37,226	32,179
Vermont.....	145,400	222,737	180,912	202,839	58,385	82,938	68,865	63,619
Massachusetts.....	226,474	300,472	293,405	303,537	105,533	127,654	110,437	118,200
Rhode Island.....	32,991	33,637	33,446	41,111	15,010	14,509	13,543	16,614
Connecticut.....	159,400	226,992	230,829	260,269	72,206	101,187	91,337	114,739
Middle Atlantic	2,959,589	3,949,684	3,478,716	3,602,634	1,482,321	1,661,676	1,332,457	1,282,272
New York.....	1,451,481	1,908,483	1,706,930	1,711,762	707,748	793,336	646,980	600,085
New Jersey.....	254,833	311,848	311,084	355,388	124,143	142,182	130,331	152,491
Pennsylvania.....	1,253,275	1,729,353	1,460,702	1,535,484	630,430	726,158	555,146	529,696
East North Central	10,119,128	17,245,363	12,592,988	11,116,009	7,231,699	12,046,074	7,969,004	6,169,552
Ohio.....	1,902,695	3,095,666	2,236,902	2,012,937	1,285,895	2,015,113	1,299,024	1,032,210
Indiana.....	1,809,135	3,042,311	1,931,742	1,677,993	1,228,197	2,202,566	1,268,777	958,634
Illinois.....	3,905,321	6,686,767	4,627,965	3,786,661	3,090,411	5,250,295	3,426,455	2,555,100
Michigan.....	1,088,858	1,763,335	1,523,977	1,428,517	615,258	959,157	764,871	638,023
Wisconsin.....	1,413,119	2,677,292	2,272,402	2,209,601	911,938	1,618,913	1,209,878	985,585
West North Central	13,535,310	27,991,035	18,879,178	18,148,431	10,052,561	21,340,145	13,303,048	11,643,370
Minnesota.....	1,476,412	3,787,420	2,761,684	2,608,124	1,019,102	2,750,328	1,796,600	1,453,960
Iowa.....	3,745,861	8,524,471	5,602,078	4,992,455	2,801,974	6,679,021	3,969,814	3,126,980
Missouri.....	2,052,917	3,591,068	2,286,639	2,149,429	1,445,982	2,594,193	1,562,712	1,305,949
North Dakota.....	2,974,814	1,759,743	1,191,037	1,186,659	730,380	1,270,314	813,732	720,077
South Dakota.....	1,166,097	2,823,870	1,658,921	1,579,241	902,607	2,231,432	1,201,015	1,033,288
Nebraska.....	2,079,819	4,201,656	2,874,478	2,934,898	1,614,539	3,330,222	2,125,792	2,048,664
Kansas.....	2,039,390	3,302,860	2,504,340	2,695,595	1,537,977	2,475,635	1,833,379	1,894,452
South Atlantic	2,951,201	6,132,918	4,669,177	4,471,400	1,883,350	4,000,682	2,980,771	2,578,138
Delaware.....	63,179	80,138	72,798	83,272	34,938	42,116	34,435	35,230
Maryland.....	286,167	463,638	397,093	425,248	163,452	259,904	207,274	198,540
Dist. of Columbia.....	8,477	5,928	5,003	7,346	7,194	4,156	3,564	6,140
Virginia.....	625,065	1,196,556	999,466	992,825	394,659	756,354	600,676	533,908
West Virginia.....	314,739	496,440	411,159	411,787	207,076	307,310	251,793	222,764
North Carolina.....	537,716	1,250,167	1,050,016	965,351	343,165	857,815	686,425	573,758
South Carolina.....	392,128	953,065	523,084	439,680	268,775	647,157	347,087	260,135
Georgia.....	580,546	1,356,685	686,673	633,435	370,353	897,445	433,649	394,892
Florida.....	143,183	330,302	513,884	462,456	93,738	228,425	415,869	352,855
East South Central	2,182,772	4,419,417	2,898,526	3,227,571	1,326,827	2,916,141	1,827,823	1,875,271
Kentucky.....	773,798	1,511,901	963,509	1,029,613	484,465	1,050,753	616,214	594,982
Tennessee.....	612,521	1,251,916	883,646	893,843	371,416	807,782	555,943	515,651
Alabama.....	370,138	690,849	500,740	611,301	216,944	415,764	308,664	354,039
Mississippi.....	426,315	964,752	550,571	692,814	254,002	641,842	347,002	410,599
West South Central	3,838,154	7,622,068	5,896,760	6,883,760	2,712,099	5,408,060	4,176,984	4,115,599
Arkansas.....	400,089	924,395	628,846	649,877	246,021	607,773	420,735	407,920
Louisiana.....	301,221	589,827	385,911	501,826	187,803	383,618	251,738	313,558
Oklahoma ¹	918,199	1,660,424	1,210,135	1,477,741	649,067	1,171,459	879,335	1,031,251
Texas.....	2,218,645	4,447,420	3,471,867	4,234,316	1,633,207	3,245,209	2,625,157	3,062,870
Mountain	1,757,573	4,083,138	2,758,216	3,282,155	1,174,370	2,801,712	1,838,980	2,038,198
Montana.....	347,829	985,961	574,897	708,364	226,771	691,912	389,514	442,941
Idaho.....	305,317	716,138	451,885	528,914	219,953	511,866	309,769	340,256
Wyoming.....	167,189	334,411	240,396	306,587	88,908	210,947	148,168	174,464
Colorado.....	491,472	1,076,795	712,285	795,387	362,822	763,723	493,974	510,955
New Mexico.....	159,448	325,186	236,301	293,138	98,806	196,341	152,033	180,721
Arizona.....	75,124	233,593	194,049	243,458	42,350	156,563	126,788	160,854
Utah.....	150,795	311,275	250,318	289,118	99,482	210,998	159,703	174,341
Nevada.....	60,399	99,780	98,086	97,189	35,277	59,362	59,031	53,666
Pacific	2,780,492	5,807,011	4,962,634	5,399,231	2,246,314	4,166,948	3,878,038	4,086,475
Washington.....	637,543	1,057,430	823,438	887,834	517,422	797,651	584,386	608,373
Oregon.....	528,244	818,560	714,410	755,897	411,696	586,242	505,141	501,947
California.....	1,614,695	3,431,022	3,424,786	3,755,500	1,317,195	2,783,055	2,788,511	2,976,155

¹ Domestic animals, chickens, and bees in 1930.² Figures for 1900 include Indian Territory.

Source: Bureau of the Census, Department of Commerce.

VALUE OF FARM PROPERTY

545

BUILDINGS, IMPLEMENTS AND MACHINERY, AND LIVESTOCK, BY STATES

thousands of dollars]

Value of buildings			Value of farm operator's dwellings, 1930	Value of implements and machinery			Value of livestock 1			Division and State
1920	1925	1930		1920	1925	1930	1920	1925	1930	
11,486,440	11,746,629	12,949,994	7,083,536	3,594,773	2,691,704	3,301,654	8,012,876	4,858,389	8,064,051	U. S.
429,343	491,695	499,741	277,132	92,388	82,334	91,881	163,163	103,584	123,759	N. E.
59,697	99,746	98,659	56,641	26,638	24,491	25,383	39,780	24,108	26,034	Me.
42,571	49,407	45,177	25,902	9,499	8,938	8,912	19,161	11,463	13,334	N. H.
76,179	76,406	82,316	42,999	21,234	18,130	20,767	42,385	25,511	36,136	Vt.
119,934	144,166	143,023	78,076	19,360	17,044	18,730	33,524	21,758	29,884	Mass.
11,379	14,377	17,893	9,849	2,409	2,064	2,718	4,840	3,462	3,886	R. I.
89,084	110,594	112,673	63,765	13,248	11,616	12,371	23,473	17,282	20,485	Conn.
1,340,462	1,467,377	1,535,496	800,028	359,152	333,490	355,438	588,394	345,393	429,427	M. A.
631,726	720,145	715,820	366,894	169,867	169,385	173,606	313,555	170,419	222,251	N. Y.
108,141	132,205	146,355	81,607	25,459	23,452	27,076	36,065	25,095	29,466	N. J.
600,594	615,026	673,321	351,467	163,826	140,652	154,756	238,775	149,878	177,710	Pa.
2,891,568	3,054,655	3,187,235	1,801,718	786,077	567,871	626,208	1,521,644	1,001,458	1,153,010	E. N. C.
346,323	646,607	660,821	355,008	146,575	97,893	103,176	287,655	193,378	216,730	Ohio.
451,078	426,964	456,908	246,657	127,403	79,740	86,778	156,262	175,072	175,072	Ind.
747,099	773,004	780,949	386,688	222,620	147,104	160,412	440,154	281,402	390,199	Ill.
477,600	519,191	522,628	270,241	122,390	96,253	105,562	204,259	143,662	162,604	Mich.
568,969	688,889	745,932	343,122	167,089	146,883	170,279	322,312	226,754	307,805	Wis.
3,129,350	3,227,843	3,515,180	1,734,992	1,162,938	816,333	1,091,603	2,358,601	1,531,954	1,896,299	W. N. C.
550,840	597,142	671,134	315,743	181,088	137,966	181,767	305,164	229,977	301,263	Minn.
922,752	984,632	1,037,526	475,398	309,172	227,282	276,516	613,526	420,349	497,463	Iowa.
468,774	440,561	490,297	281,328	138,261	75,955	94,522	389,839	207,398	258,661	Mo.
209,208	206,381	231,149	109,806	114,187	76,631	118,744	157,035	94,303	116,690	N. D.
241,462	236,273	251,865	119,063	112,408	75,411	107,344	238,568	146,222	186,744	S. D.
381,885	398,282	446,539	222,569	153,104	111,799	150,925	336,444	238,605	288,770	Nebr.
354,429	364,572	386,650	211,085	154,717	111,288	167,785	318,025	195,100	246,708	Kans.
1,201,092	1,118,173	1,273,943	898,804	283,981	195,639	202,947	647,163	384,594	416,375	S. A.
22,640	25,241	31,711	17,370	6,781	5,906	7,285	8,601	7,217	9,045	Del.
126,693	134,087	157,716	58,617	28,970	22,885	25,682	48,071	32,846	43,395	Md.
1,421	1,231	1,003	48,437	104	108	93	246	100	109	D. C.
268,081	286,138	321,942	209,084	50,151	40,021	44,319	92,969	72,631	92,656	Va.
103,474	104,361	119,213	77,776	18,395	15,687	15,268	67,261	39,319	54,544	W. Va.
218,578	239,601	270,344	182,523	54,621	46,437	42,212	119,153	77,554	79,018	N. C.
166,327	110,536	119,055	81,983	48,062	23,105	21,425	91,518	42,357	39,065	S. C.
240,854	153,905	182,447	123,456	63,343	26,986	31,217	155,043	72,133	74,880	Ga.
53,025	63,073	70,492	47,558	13,552	14,504	15,446	35,301	20,439	23,663	Fla.
747,552	653,007	810,083	534,567	176,065	123,550	157,459	579,659	294,147	384,748	E. S. C.
254,400	231,213	276,467	163,758	48,355	30,629	36,547	158,387	85,513	121,618	Ky.
217,198	203,483	227,571	147,879	53,463	40,746	45,758	173,473	83,473	104,862	Tenn.
127,894	106,196	148,332	104,969	34,866	23,851	33,545	112,825	62,031	75,385	Ala.
148,054	112,116	157,725	117,951	39,881	28,323	41,609	134,974	63,129	82,883	Miss.
883,128	782,469	990,552	644,404	311,099	252,866	336,335	1,019,779	484,460	721,275	W. S. C.
145,937	119,992	139,909	94,842	43,432	31,255	33,116	127,853	56,865	68,933	Ark.
90,421	72,940	104,634	72,097	32,715	21,333	28,174	83,073	39,900	55,460	La.
192,406	169,422	211,472	126,457	80,631	58,379	92,858	215,928	102,998	142,160	Okl.
454,965	420,114	534,537	351,008	154,321	141,899	182,187	592,926	294,698	454,722	Tex.
361,476	334,002	420,285	238,758	190,718	129,257	210,944	729,234	455,977	592,728	Mont.
84,855	65,881	84,669	43,226	55,004	30,633	62,070	154,190	88,869	118,684	Idaho.
69,646	63,557	76,994	46,544	38,417	26,526	39,749	96,209	52,033	71,915	Wyo.
23,801	24,508	32,388	15,866	11,773	9,172	17,018	87,885	58,548	52,117	Colo.
102,291	98,481	118,392	64,389	49,805	33,473	50,241	160,977	86,357	115,799	N. M.
25,473	22,884	27,138	16,616	9,745	8,712	12,997	93,626	62,671	72,282	Ariz.
15,763	17,226	23,377	14,336	8,821	6,928	10,414	52,447	43,107	48,813	Utah.
32,754	32,499	46,832	32,290	13,515	10,097	13,636	54,008	48,019	54,258	Nev.
6,593	8,966	10,445	5,589	3,631	3,715	4,219	29,894	26,374	28,860	
502,489	617,409	737,488	423,147	232,558	190,365	228,839	405,237	276,822	346,430	Pac.
122,741	142,504	165,289	93,476	54,721	41,235	50,512	82,316	55,313	63,659	Wash.
88,971	110,927	128,881	72,628	41,567	35,643	42,586	101,779	62,699	82,483	Oreg.
290,756	363,977	443,316	257,043	136,069	113,488	135,741	221,141	158,810	200,288	Calif.

No. 520.—AVERAGE VALUES PER FARM AND PER ACRE: BY STATES

Division and State	Average value per farm (dollars)							Average value of land per acre (dollars)			
	All farm property				Land and buildings						
	1910	1920	1925	1930	1920	1925	1930	1910	1920	1925	1930
United States.....	6,444	12,084	8,949	9,103	10,284	7,764	7,614	32.40	57.36	40.81	35.40
New England.....	4,583	7,492	6,844	9,256	5,860	5,678	7,530	19.38	28.73	26.10	30.87
Maine.....	3,320	5,609	4,914	6,376	4,232	3,943	4,981	13.73	21.09	18.89	20.61
New Hampshire.....	3,833	5,782	5,084	6,682	4,385	4,113	5,190	13.70	18.21	16.46	16.42
Vermont.....	4,445	7,661	6,511	8,147	5,473	4,940	5,861	12.52	19.58	16.27	16.33
Massachusetts.....	6,135	9,389	8,770	11,870	7,737	7,611	10,205	36.69	51.17	46.64	58.94
Rhode Island.....	6,234	8,238	8,552	12,376	6,463	7,139	10,388	33.86	43.75	43.83	59.47
Connecticut.....	5,944	10,019	9,932	15,136	8,399	8,689	13,226	33.03	53.28	49.85	76.38
Middle Atlantic.....	6,319	9,290	8,305	10,074	7,061	6,684	7,880	33.86	40.96	35.54	36.59
New York.....	6,732	9,879	9,043	10,712	7,376	7,243	8,234	32.13	38.45	33.57	33.38
New Jersey.....	7,610	10,499	10,484	14,004	8,428	8,848	11,776	48.23	62.29	67.72	86.74
Pennsylvania.....	5,715	8,551	7,287	8,906	6,560	5,888	6,977	33.92	41.12	34.07	34.60
East North Central.....	8,007	15,898	11,975	11,501	13,771	10,483	9,660	61.32	102.31	70.68	55.64
Ohio.....	6,994	12,060	9,141	9,179	10,368	7,951	7,720	53.34	85.69	58.46	47.98
Indiana.....	8,396	14,831	9,867	9,242	12,937	8,661	7,796	62.36	104.57	63.71	48.69
Illinois.....	15,505	28,108	20,514	17,654	25,289	18,615	15,553	95.02	164.20	111.49	83.24
Michigan.....	5,261	8,976	7,924	8,436	7,313	6,676	6,853	32.48	50.40	42.41	37.27
Wisconsin.....	7,978	14,143	11,765	12,156	11,558	9,830	9,526	43.30	73.09	55.37	45.06
West North Central.....	12,195	25,517	16,988	16,308	22,307	14,875	13,623	43.21	83.04	53.62	43.86
Minnesota.....	9,456	21,221	14,672	14,079	18,496	12,717	11,471	36.82	91.00	59.77	47.03
Iowa.....	17,259	39,939	26,240	23,229	35,616	23,207	19,655	82.58	199.52	119.28	93.68
Missouri.....	7,405	13,654	8,779	8,398	11,646	7,691	7,018	41.80	74.60	47.87	38.70
North Dakota.....	13,109	22,651	15,678	15,218	19,160	13,428	12,199	25.69	35.33	23.70	18.63
South Dakota.....	15,018	37,835	20,857	18,991	33,132	18,071	15,455	34.69	64.42	37.61	28.33
Nebraska.....	16,038	33,771	22,504	22,671	29,836	19,760	19,274	41.80	78.87	50.58	45.82
Kansas.....	11,467	19,982	15,097	16,234	17,122	13,250	13,738	35.45	54.50	41.93	40.33
South Atlantic.....	2,654	5,292	4,205	4,224	4,485	3,699	3,639	18.15	40.92	33.65	29.85
Delaware.....	5,830	7,903	7,097	8,579	6,386	5,818	6,896	33.63	44.59	38.28	39.11
Maryland.....	5,849	9,678	8,104	9,843	8,070	6,966	8,244	32.32	54.62	46.75	45.37
District of Columbia.....	39,062	29,059	35,992	70,633	27,340	34,500	68,690	1,186.53	733.27	934.71	1,999.57
Virginia.....	3,397	6,425	5,159	5,819	5,501	4,578	5,016	20.24	40.75	34.90	31.92
West Virginia.....	3,255	5,687	4,549	4,983	4,706	3,941	4,138	20.65	32.11	28.04	25.31
North Carolina.....	2,119	4,634	3,704	3,451	3,990	3,267	3,018	15.29	42.84	36.92	31.78
South Carolina.....	2,223	4,946	3,028	2,784	4,222	2,649	2,401	19.89	52.08	32.62	25.03
Georgia.....	1,995	4,366	2,757	2,674	3,663	2,359	2,259	13.74	35.28	19.76	17.89
Florida.....	2,863	6,116	8,678	7,843	5,212	8,088	7,179	17.84	37.78	70.91	70.20
East South Central.....	2,094	4,203	2,881	3,039	3,484	2,466	2,528	16.28	36.96	25.89	25.75
Kentucky.....	2,986	5,587	3,727	4,177	4,823	3,278	3,535	21.83	48.62	30.95	29.86
Tennessee.....	2,490	4,953	3,497	3,639	4,055	3,006	3,025	18.53	41.40	31.06	28.64
Alabama.....	1,408	2,698	2,107	2,375	2,123	1,746	1,952	10.46	21.24	18.44	20.17
Mississippi.....	1,554	3,546	2,140	2,216	2,903	1,785	1,818	13.69	35.27	21.62	23.69
West South Central.....	4,069	7,652	5,600	6,222	6,316	4,875	5,263	16.06	31.18	25.31	26.19
Arkansas.....	1,864	3,974	2,833	2,682	3,238	2,436	2,261	14.13	34.82	26.91	25.41
Louisiana.....	2,499	4,354	2,914	3,108	3,499	2,451	2,590	17.99	38.29	28.49	33.52
Oklahoma.....	4,828	8,649	6,136	7,249	7,104	5,318	6,096	22.49	36.66	28.49	30.52
Texas.....	5,311	10,200	7,456	8,546	8,486	6,540	7,260	14.53	28.46	23.94	24.56
Mountain.....	9,581	16,727	11,818	13,518	12,958	9,310	10,188	19.73	23.88	13.96	12.95
Montana.....	13,269	17,095	12,257	14,914	13,468	9,709	11,109	16.74	19.73	11.90	9.92
Idaho.....	9,911	17,008	11,132	12,692	13,811	9,197	10,012	41.63	61.11	38.17	36.40
Wyoming.....	15,217	21,235	15,497	19,149	14,907	11,132	12,919	10.41	17.86	7.94	7.42
Colorado.....	10,645	17,966	12,277	13,266	14,449	10,211	10,497	26.81	31.22	20.44	17.69
New Mexico.....	4,469	10,896	7,457	9,334	7,432	5,520	6,619	8.77	8.04	5.46	5.86
Arizona.....	8,142	23,418	17,964	17,178	17,276	13,332	12,999	33.97	26.98	11.46	15.28
Utah.....	6,957	12,130	9,631	10,645	9,499	7,395	8,145	29.28	41.78	31.94	31.06
Nevada.....	22,462	31,546	25,260	28,236	20,947	17,612	18,626	12.99	25.18	14.43	13.15
Pacific.....	14,643	22,664	18,686	20,629	19,941	16,928	18,431	43.76	74.21	71.47	67.52
Washington.....	11,346	15,952	11,239	12,522	13,885	9,921	10,911	44.18	60.22	46.34	44.95
Oregon.....	11,609	16,304	12,778	13,705	13,449	11,019	11,438	35.23	43.29	35.75	30.33
California.....	18,308	29,158	25,107	27,680	26,122	23,111	25,203	47.16	94.77	101.34	97.76

Source, Bureau of the Census, Department of Commerce.

No. 521.—NUMBER OF FARMS: BY SIZE AND BY STATES

Division and State	Total	Under 20 acres	20 to 49 acres	50 to 99 acres	100 to 174 acres	175 to 259 acres	260 to 499 acres	500 to 999 acres	1,000 acres and over
United States:									
1900.....	5,737,372	673,870	1,257,496	1,366,038	1,422,262	490,069	377,951	102,526	47,160
1910.....	6,361,502	839,166	1,414,376	1,438,049	1,516,286	534,191	443,984	125,295	50,135
1920.....	6,448,343	796,535	1,503,732	1,474,745	1,449,630	530,800	475,677	149,819	67,405
1925.....	6,371,640	969,584	1,450,643	1,421,078	1,383,777	503,417	438,961	143,852	63,328
1930.....	6,288,648	918,121	1,440,388	1,374,965	1,342,927	520,593	451,338	159,696	80,620
New England.....	124,925	19,977	20,284	29,740	30,656	13,774	8,329	1,773	592
Maine.....	39,006	3,507	5,211	11,227	11,640	4,541	2,331	454	92
New Hampshire.....	14,906	1,870	2,311	3,584	3,670	1,803	1,221	354	90
Vermont.....	24,898	2,697	2,268	4,129	7,396	4,535	3,135	590	88
Massachusetts.....	25,598	7,589	5,869	5,491	3,982	1,505	877	211	74
Rhode Island.....	3,322	850	729	817	572	193	118	32	11
Connecticut.....	17,195	3,464	3,893	4,492	3,396	1,194	587	132	37
Middle Atlantic.....	357,603	53,337	56,885	100,639	98,813	32,186	13,744	1,666	833
New York.....	159,806	19,428	21,531	41,529	47,966	19,095	9,093	995	169
New Jersey.....	25,378	7,587	5,425	5,732	4,946	1,156	425	72	35
Pennsylvania.....	172,419	26,322	29,929	53,378	45,901	11,935	4,226	599	129
East North Central.....	986,502	82,339	135,908	280,182	301,247	109,222	51,631	5,301	692
Ohio.....	219,296	21,909	33,734	71,160	63,920	17,790	6,888	791	104
Indiana.....	181,570	19,603	27,866	52,199	53,155	18,731	8,949	953	114
Illinois.....	214,497	16,839	21,654	41,678	72,347	38,124	21,604	2,061	190
Michigan.....	169,372	12,235	32,184	57,749	47,723	13,403	5,275	636	167
Wisconsin.....	181,767	8,753	20,470	57,376	64,102	21,174	8,915	860	117
West North Central.....	1,112,755	65,160	82,749	159,211	337,884	174,206	202,614	68,644	22,287
Minnesota.....	185,255	8,163	14,966	33,150	66,698	33,074	25,881	3,100	233
Iowa.....	214,928	15,522	12,178	32,209	84,722	42,615	25,646	2,002	134
Missouri.....	255,940	22,103	39,787	60,119	74,138	33,792	21,638	3,760	583
North Dakota.....	77,975	703	826	1,351	9,641	5,505	33,450	21,096	5,433
South Dakota.....	83,157	1,626	1,537	3,038	18,034	10,739	29,599	13,401	5,228
Nebraska.....	129,458	6,039	4,191	10,118	41,731	23,010	28,135	10,260	5,974
Kansas.....	166,042	11,004	9,264	19,226	42,920	25,481	38,385	15,055	4,707
South Atlantic.....	1,058,488	192,363	345,867	262,862	157,143	54,079	33,470	9,615	3,069
Delaware.....	9,707	1,319	2,062	2,815	2,305	776	371	51	8
Maryland.....	43,203	8,425	7,835	9,521	10,341	4,370	2,252	389	70
Dist. of Columbia.....	104	66	30	3	1	2	1	1	-----
Virginia.....	170,610	33,558	41,361	40,242	31,258	12,443	8,600	2,483	665
West Virginia.....	82,641	11,354	16,755	23,990	18,049	6,865	4,169	1,113	336
North Carolina.....	279,708	57,893	97,502	72,673	35,682	9,004	4,930	1,121	303
South Carolina.....	157,931	35,916	63,297	33,318	15,448	4,919	3,408	1,167	458
Georgia.....	255,598	29,049	97,150	69,751	37,853	12,976	8,180	2,722	617
Florida.....	58,966	17,773	19,875	10,549	6,206	2,124	1,559	568	312
East South Central.....	1,062,214	229,788	381,733	234,993	140,103	43,313	24,568	5,895	1,816
Kentucky.....	240,499	50,694	56,673	67,210	47,908	14,870	7,437	1,407	300
Tennessee.....	245,657	46,585	77,665	63,382	38,183	11,925	6,344	1,312	261
Alabama.....	257,395	38,755	115,123	59,817	27,889	8,385	5,259	1,527	640
Mississippi.....	112,663	93,754	132,277	44,584	26,123	8,133	5,528	1,649	615
West South Central.....	1,103,134	153,902	329,965	244,315	212,422	68,192	61,435	21,891	14,722
Arkansas.....	242,334	48,680	98,162	49,921	30,492	8,665	4,985	1,091	338
Louisiana.....	161,445	46,248	75,082	22,550	10,379	3,026	2,511	979	670
Oklahoma.....	203,866	12,172	33,055	48,362	64,685	17,565	20,704	5,490	1,833
Texas.....	495,489	46,102	120,666	123,482	106,866	38,920	33,235	14,331	11,881
Mountain.....	241,314	34,966	27,638	28,319	36,631	14,220	39,517	33,503	26,520
Montana.....	47,495	1,610	1,477	2,161	5,551	2,496	11,432	12,267	10,501
Idaho.....	41,674	4,618	7,091	9,010	8,547	3,377	5,084	2,702	1,245
Wyoming.....	16,011	477	486	1,039	2,194	969	2,966	3,795	4,085
Colorado.....	59,956	7,452	4,728	5,990	10,499	3,952	13,100	8,982	5,253
New Mexico.....	31,404	8,889	4,211	2,524	3,472	1,138	4,008	3,726	3,436
Arizona.....	14,173	4,930	2,872	1,822	1,984	442	724	681	718
Utah.....	27,159	6,617	6,268	5,235	3,805	1,617	1,794	1,030	793
Nevada.....	3,442	373	505	538	579	229	409	320	489
Pacific.....	261,733	86,989	62,354	34,724	28,028	11,411	16,030	11,408	10,789
Washington.....	70,904	23,394	16,833	9,414	7,774	2,768	4,464	3,518	2,739
Oregon.....	55,153	12,666	10,573	8,932	8,693	3,667	4,597	3,029	2,996
California.....	135,676	50,929	34,948	16,378	11,561	4,976	6,969	4,861	5,054

Source Bureau of the Census, Department of Commerce.

No. 522.—NUMBER AND ACREAGE OF FARMS: BY SIZE, FOR EACH DIVISION

NOTE.—For totals for United States see Tables 521 and 524

Items, year, and division	Total	Under 20 acres	20 to 49 acres	50 to 99 acres	100 to 174 acres	175 to 499 acres	500 to 999 acres	1,000 acres and over
Number of farms								
New England:								
1900.....	191,888	28,018	33,805	49,389	48,039	30,007	2,133	497
1920.....	156,564	25,886	27,117	38,036	37,993	25,173	1,916	443
1925.....	159,489	30,385	29,271	38,368	36,799	22,744	1,544	378
1930.....	124,925	19,977	20,284	29,740	30,656	22,103	1,773	392
Middle Atlantic:								
1900.....	485,618	75,165	84,330	142,341	129,501	51,815	1,907	559
1920.....	425,147	65,725	70,492	120,323	116,009	50,437	1,736	425
1925.....	418,868	74,437	71,373	117,598	108,546	45,213	1,413	288
1930.....	357,603	53,337	56,885	100,639	98,813	45,930	1,666	333
East North Central:								
1900.....	1,135,823	100,071	230,411	350,291	301,629	146,901	5,569	951
1920.....	1,084,744	90,703	172,052	335,439	325,390	155,489	4,912	759
1925.....	1,051,572	96,958	168,002	319,425	311,568	150,504	4,472	643
1930.....	966,502	82,339	135,908	280,162	301,247	160,853	5,301	692
West North Central:								
1900.....	1,060,744	47,650	110,718	212,600	354,794	288,187	36,186	10,609
1920.....	1,096,951	46,093	81,820	170,896	351,003	366,438	60,561	20,140
1925.....	1,111,314	59,990	89,827	170,617	351,199	363,535	58,840	17,306
1930.....	1,112,755	65,160	82,749	159,211	337,884	376,820	68,644	22,287
South Atlantic:								
1900.....	962,225	147,165	265,623	216,522	181,290	128,541	17,191	5,893
1920.....	1,158,976	187,326	401,259	280,114	175,311	99,833	11,269	3,864
1925.....	1,108,061	237,729	354,421	255,439	160,805	90,252	10,076	3,339
1930.....	1,058,468	192,363	345,867	262,862	157,143	87,549	9,615	3,069
East South Central:								
1900.....	903,313	153,359	280,010	204,914	159,531	92,783	9,777	2,939
1920.....	1,061,600	203,187	378,138	285,444	152,992	77,078	7,245	2,516
1925.....	1,006,052	224,494	346,230	222,577	138,159	66,571	6,077	1,944
1930.....	1,062,214	229,788	381,738	234,993	140,103	67,881	5,895	1,816
West South Central:								
1900.....	754,853	84,898	218,481	161,611	178,015	82,662	15,047	14,139
1920.....	966,088	97,878	296,729	235,213	212,167	120,429	19,717	13,955
1925.....	1,017,505	135,318	297,911	235,016	205,986	112,675	18,063	12,336
1930.....	1,103,134	153,202	326,965	244,315	212,422	129,617	21,891	14,722
Mountain:								
1900.....	101,327	16,366	12,685	11,243	33,963	17,553	4,932	4,585
1920.....	244,109	22,071	25,392	26,896	45,855	77,982	30,005	15,908
1925.....	233,392	26,078	26,892	27,522	40,306	62,076	31,877	18,041
1930.....	241,314	34,966	27,638	28,319	36,631	53,737	33,503	26,520
Pacific:								
1900.....	141,581	21,178	21,433	17,127	35,500	29,571	9,784	6,988
1920.....	234,164	57,666	55,733	32,384	32,910	33,618	12,458	9,395
1925.....	265,587	84,595	66,716	34,516	30,409	28,808	11,490	9,053
1930.....	261,733	86,989	62,354	34,724	28,028	27,441	11,408	10,789
Acreage in farms (thousands of acres)								
All land in farms, 1930:								
New England.....	14,283	183	672	2,112	3,933	5,650	1,099	634
Middle Atlantic.....	35,047	500	1,907	7,264	12,600	11,157	1,037	582
East North Central.....	110,891	768	4,791	21,138	39,939	39,812	3,274	1,169
West North Central.....	265,488	553	2,882	12,195	48,428	109,191	46,959	45,280
South Atlantic.....	86,363	2,116	11,040	17,922	19,756	22,663	6,232	6,634
East South Central.....	72,818	2,772	11,738	16,259	17,761	17,233	3,812	3,243
West South Central.....	183,906	1,828	10,360	17,195	28,611	35,483	14,710	75,710
Mountain.....	157,450	267	923	2,106	5,320	17,409	23,852	107,573
Pacific.....	60,525	711	1,938	2,494	3,866	8,189	7,940	35,387
Crop land harvested, 1929:								
New England.....	3,659	87	243	661	1,117	1,323	173	55
Middle Atlantic.....	14,324	260	966	3,534	5,466	3,775	238	85
East North Central.....	56,644	321	2,206	10,786	20,937	20,705	1,379	310
West North Central.....	138,716	239	1,358	6,425	29,117	65,300	24,029	12,248
South Atlantic.....	27,520	1,411	6,580	7,278	5,711	4,911	997	632
East South Central.....	25,148	2,109	7,592	6,260	4,731	3,517	579	360
West South Central.....	56,837	1,451	7,574	9,882	14,442	15,354	4,748	3,386
Mountain.....	28,279	172	564	1,202	2,266	5,935	5,706	7,434
Pacific.....	13,115	440	1,119	1,196	1,368	2,614	2,142	4,236

Source: Bureau of the Census, Department of Commerce.

No. 523.—NUMBER OF FARMS: BY SIZE AND BY TENURE AND COLOR OF OPERATOR

NOTE.—"White" includes Mexicans and Hindus. "Colored" includes, Negroes, Indians, Chinese, Japanese, and all other nonwhite races

Size of farm, tenure, and color	1890	1900	1910	1920	1925	1930
BY SIZE						
Number, total.....	4,584,641	5,737,372	6,361,502	6,448,343	6,371,640	6,288,648
Under 10 acres.....	150,194	267,229	335,043	288,772	378,535	358,504
10 to 19 acres.....	265,550	406,641	504,123	507,763	588,049	559,617
20 to 49 acres.....	902,777	1,257,496	1,414,376	1,503,732	1,450,643	1,440,388
50 to 99 acres.....	1,121,485	1,366,038	1,438,069	1,474,745	1,421,078	1,374,965
100 to 499 acres.....	2,008,694	2,290,282	2,494,461	2,456,107	2,326,155	2,314,858
100 to 174 acres.....	—	1,422,262	1,516,286	1,449,630	1,383,777	1,342,927
175 to 259 acres.....	—	490,069	534,191	530,800	603,417	520,593
260 to 499 acres.....	—	377,951	443,984	475,677	438,961	451,338
500 to 999 acres.....	84,395	102,525	125,285	149,819	143,852	159,696
1,000 acres and over.....	31,546	47,160	50,135	67,405	63,328	80,620
Per cent distribution, total.....	100.0	100.0	100.0	100.0	100.0	100.0
Under 10 acres.....	3.3	4.7	5.3	4.5	5.9	5.7
10 to 19 acres.....	5.8	7.1	7.9	7.9	9.2	8.9
20 to 49 acres.....	19.8	21.9	22.2	23.3	22.8	22.9
50 to 99 acres.....	24.6	23.8	22.6	22.9	22.3	21.9
100 to 499 acres.....	44.0	39.9	39.2	38.1	36.5	36.8
100 to 174 acres.....	—	24.8	23.8	22.5	21.7	21.3
175 to 259 acres.....	—	8.5	8.4	8.2	7.9	8.3
260 to 499 acres.....	—	6.6	7.0	7.4	6.9	7.2
500 to 999 acres.....	1.8	1.8	2.0	2.3	2.3	2.5
1,000 acres and over.....	.7	.8	.8	1.0	1.0	1.3
BY TENURE						
Owners and managers, total.....	3,289,728	3,712,408	4,006,826	3,993,539	3,908,032	3,624,283
Owners.....	—	3,653,323	3,948,722	3,925,090	3,868,332	3,568,394
Owning entire farm.....	—	3,201,947	3,354,897	3,366,510	3,313,490	2,911,644
Hiring additional land.....	—	451,376	593,825	558,580	554,842	656,750
Managers.....	—	59,085	58,104	68,449	40,700	55,889
Tenants, total.....	1,294,913	2,024,964	2,354,676	2,454,804	2,462,608	2,664,365
Cash tenants ¹	—	—	712,294	480,009	393,452	489,210
Northern and Western States.....	—	—	—	—	210,838	251,178
Number related to landlord.....	—	—	—	—	56,085	67,155
Other tenants ¹	—	—	1,642,382	1,974,795	2,069,156	2,175,155
Northern and Western States.....	—	—	—	—	650,471	622,404
Number related to landlord.....	—	—	—	—	189,373	178,024
Per cent distribution, total.....	100.0	100.0	100.0	100.0	100.0	100.0
Owners.....	—	63.7	62.1	60.9	60.7	56.7
Managers.....	71.6	1.0	.9	1.1	.6	.9
Tenants.....	28.4	35.3	37.0	38.1	38.6	42.4
BY COLOR AND TENURE OF FARMER						
White farmers, total.....	—	4,969,608	5,440,619	5,498,454	² 5,540,185	5,372,578
Owners, total.....	—	3,446,806	3,707,501	3,691,865	3,673,792	3,365,674
Owning entire farm.....	—	3,025,931	3,159,088	3,174,109	3,153,839	2,752,787
Hiring additional land.....	—	420,875	548,413	517,759	519,953	612,887
Managers.....	—	57,261	56,560	66,223	40,033	52,767
Tenants, total.....	—	1,465,541	1,676,558	1,740,363	1,826,360	1,954,137
Cash tenants ¹	—	—	447,351	373,835	314,692	387,834
Other tenants ¹	—	—	1,228,707	1,366,528	1,511,668	1,566,303
Colored farmers, total.....	—	767,764	920,883	949,889	² 831,455	916,070
Owners, total.....	—	206,517	241,221	223,222	194,540	202,720
Owning entire farm.....	—	176,016	195,809	192,401	159,651	158,857
Hiring additional land.....	—	30,501	45,412	40,821	34,889	43,863
Managers.....	—	1,824	1,544	2,226	667	3,122
Tenants, total.....	—	559,423	678,118	714,441	636,248	710,228
Cash tenants ¹	—	—	264,443	106,174	78,760	101,376
Other tenants ¹	—	—	413,675	608,267	557,488	608,852
COLORED FARMERS, BY RACE						
Total.....	—	767,764	920,883	949,889	² 831,455	⁴ 916,070
Negroes.....	—	746,715	893,370	925,708	(9)	882,850
Indians.....	—	19,910	24,251	16,680	(9)	26,817
Japanese.....	—	39	2,502	6,892	(9)	5,840
Chinese.....	—	1,100	760	609	(9)	476

¹ Standing renters included with "Cash tenants" in 1910, with "Cash tenants" for the Northern and Western States, and with "Other tenants" for the Southern States in 1920; and with "Other tenants" for all States in 1925 and 1930.

² Includes the few colored farmers in the North and the West. ³ The South only.

⁴ Includes 56 Filipinos, 30 Koreans, and 1 Hawaiian. ⁵ Separate data not available.

Source. Bureau of the Census, Department of Commerce.

No. 524.—ACREAGE OF FARM LAND: BY SIZE OF FARM AND BY TENURE AND COLOR OF OPERATOR

NOTE—"White" includes Mexicans and Hindus "Colored" includes Negroes, Indians, Chinese, Japanese, and all other nonwhite races

[Acreage in thousands]

Size of farm, tenure, and color	Acreage				Per cent distribution			
	1910	1920	1925	1930	1910	1920	1925	1930
BY SIZE OF FARM								
All farm land, total.....	878, 798	955, 884	924, 319	986, 771	100 0	100.0	100 0	100 0
Under 20 acres.....	8, 794	8, 687	10, 156	9, 698	1 0	.9	1.1	1 0
20 to 49 acres.....	45, 378	48, 466	46, 405	46, 251	5 2	5.1	5.0	4 7
50 to 99 acres.....	103, 121	105, 631	101, 906	98, 685	11 7	11.1	11 0	10 0
100 to 174 acres.....	205, 481	194, 681	185, 708	180, 214	23 4	20.4	20 1	18 3
175 to 499 acres.....	265, 289	276, 807	258, 204	266, 786	30 2	29 0	28 0	27 0
500 to 999 acres.....	83, 653	100, 976	97, 468	108, 924	9 5	10 6	10.5	11 0
1,000 acres and over.....	167, 082	220, 636	224, 472	276, 213	19.0	23 1	24.3	28.0
Crop land harvested, total ¹	² 478, 452	² 503, 073	344, 549	359, 242	² 100 0	² 100 0	100.0	100 0
Under 20 acres.....	7, 992	7, 804	7, 342	6, 490	1 7	1 6	2.1	1 8
20 to 49 acres.....	36, 596	38, 508	29, 384	28, 202	7 6	7 7	8.5	7 9
50 to 99 acres.....	71, 155	72, 622	50, 199	47, 225	14 9	14 4	14.6	13 1
100 to 174 acres.....	128, 854	123, 201	88, 502	85, 154	26 9	25 5	25 7	23 7
175 to 499 acres.....	161, 776	170, 075	117, 841	123, 433	33 8	33 8	34 2	34 4
500 to 999 acres.....	40, 817	43, 135	32, 273	39, 992	8 5	9 6	9.4	11 1
1,000 acres and over.....	51, 263	57, 729	19, 008	28, 746	6 5	7.5	5.5	8.0
BY TENURE								
All farm land, total.....	878, 798	955, 884	924, 319	986, 771	100 0	100 0	100 0	100 0
Owners.....	598, 555	636, 775	618, 388	618, 376	68 1	66 6	66 7	62 7
Owning entire farm.....	464, 923	461, 250	419, 446	372, 450	52 9	48 3	45 4	37 7
Hiring additional land.....	133, 631	175, 525	196, 890	245, 926	15 2	18.4	21.3	24 9
Managers.....	53, 731	54, 129	43, 097	61, 986	6 1	5.7	4.7	6 3
Tenants.....	226, 513	264, 980	264, 888	306, 409	25 8	27.7	28.7	31.1
Cash tenants ³	67, 847	65, 095	54, 190	71, 370	7 7	6 8	5.9	7.2
Other tenants ³	158, 666	199, 885	210, 698	235, 039	18 0	20.9	22.8	23 8
Crop land, harvested, total ¹	² 478, 452	² 503, 073	344, 549	359, 242	² 100 0	² 100 0	100.0	100 0
Owners.....	309, 850	314, 107	199, 408	201, 750	64.8	62 4	57.9	56 2
Owning entire farm.....	253, 809	255, 132	138, 649	124, 328	48.9	46 7	40 2	34.6
Hiring additional land.....	76, 042	78, 975	60, 759	77, 422	15.9	15 7	17.6	21 6
Managers.....	12, 314	13, 211	5, 299	6, 920	2.6	2.6	1.5	1.9
Tenants.....	166, 287	175, 755	139, 842	150, 572	32.7	34.9	40 6	41.9
Cash tenants ³	41, 566	34, 597	19, 197	23, 586	8 7	6 8	5 6	6.6
Other tenants ³	114, 721	141, 557	120, 645	126, 986	24 0	28.1	35 0	35.3
BY COLOR OF FARMER								
All farm land, total.....	878, 798	955, 884	924, 319	986, 771	100 0	100.0	100 0	100 0
White farmers.....	832, 166	910, 939	(⁴)	945, 683	94 7	95.3	(⁴)	95 8
Colored farmers.....	46, 632	44, 945	(⁴)	41, 088	5 3	4.7	(⁴)	4.2
Crop land harvested, total ¹	² 478, 452	² 503, 073	344, 549	359, 242	² 100.0	² 100 0	100 0	100.0
White farmers.....	449, 418	473, 775	(⁴)	537, 451	98 9	94.2	(⁴)	93 9
Colored farmers.....	29, 033	29, 298	(⁴)	21, 791	6.1	5.8	(⁴)	6 1

¹ The classification by size in this section of the table, as in the preceding section, is based on the entire area of the farm.

² All data shown for 1910 and 1920 represent improved land Data for improved land was not called for on the schedules of 1925 and 1930

³ Standing renters included with "Cash tenants" in 1910; with "Cash tenants" for the Northern and Western States, and with "Other tenants" for the Southern States in 1920, and with "Other tenants" for all States in 1925 and 1930

⁴ Not available.

Source: Bureau of the Census, Department of Commerce.

No. 525.—NUMBER OF FARMS: BY TENURE AND BY STATES

NOTE.—Total number of farms (all tenures combined) in Table 518. Acreage by tenure in Table 526

Division and State	Number of farms operated by—								
	Owners			Managers			Tenants		
	1920	1925	1930	1920	1925	1930	1920	1925	1930
United States.....	3, 925, 090	3, 868, 332	3, 568, 394	68, 449	40, 700	55, 889	2, 454, 804	2, 462, 608	2, 664, 366
New England.....	140, 180	148, 159	114, 104	4, 802	2, 462	2, 938	11, 602	8, 868	7, 886
Maine.....	45, 437	47, 984	36, 748	786	350	503	2, 004	1, 699	1, 755
New Hampshire.....	18, 604	19, 895	13, 755	546	156	355	1, 373	1, 014	796
Vermont.....	25, 121	24, 889	22, 009	568	307	480	3, 386	2, 590	2, 409
Massachusetts.....	28, 087	30, 870	23, 198	1, 627	979	958	2, 287	1, 605	1, 442
Rhode Island.....	3, 245	3, 263	2, 808	205	176	99	633	472	415
Connecticut.....	19, 666	21, 258	15, 586	1, 070	494	541	1, 919	1, 488	1, 068
Middle Atlantic.....	327, 104	348, 179	299, 095	9, 858	4, 465	6, 053	88, 190	68, 224	52, 455
New York.....	151, 717	159, 949	136, 041	4, 376	2, 261	2, 652	37, 102	28, 544	21, 113
New Jersey.....	21, 889	24, 535	20, 771	987	413	659	6, 826	4, 723	3, 948
Pennsylvania.....	153, 498	163, 695	142, 283	4, 490	1, 791	2, 742	44, 262	34, 957	27, 394
East North Central.....	766, 786	771, 876	693, 892	13, 551	6, 606	8, 636	304, 407	273, 080	263, 977
Ohio.....	177, 986	181, 347	159, 849	3, 065	1, 060	1, 843	75, 644	62, 296	57, 604
Indiana.....	137, 210	137, 429	125, 517	2, 329	1, 268	1, 478	65, 587	57, 089	54, 575
Illinois.....	132, 574	129, 074	119, 892	3, 411	1, 877	2, 123	101, 196	94, 650	92, 482
Michigan.....	159, 406	161, 974	141, 647	2, 319	1, 234	1, 530	34, 722	29, 119	26, 195
Wisconsin.....	159, 610	162, 052	146, 987	2, 427	1, 167	1, 659	27, 258	29, 936	33, 121
West North Central.....	711, 156	685, 797	661, 115	10, 776	5, 569	7, 471	375, 019	418, 948	444, 169
Minnesota.....	132, 744	136, 382	126, 570	1, 596	766	1, 047	44, 138	51, 083	57, 638
Iowa.....	121, 888	116, 444	111, 333	2, 487	1, 050	1, 980	89, 064	95, 936	101, 615
Missouri.....	185, 030	174, 383	165, 318	2, 247	1, 063	1, 546	75, 727	85, 027	89, 076
North Dakota.....	56, 917	49, 513	50, 105	855	361	470	19, 918	26, 096	27, 400
South Dakota.....	47, 815	46, 160	45, 609	781	331	454	26, 041	33, 046	37, 094
Nebraska.....	69, 672	67, 766	67, 418	1, 315	669	1, 020	53, 430	59, 299	61, 020
Kansas.....	97, 090	95, 149	94, 762	1, 495	729	954	66, 701	70, 001	70, 326
South Atlantic.....	607, 089	609, 304	539, 930	9, 799	6, 137	8, 964	542, 088	492, 620	508, 574
Delaware.....	6, 010	6, 515	6, 260	144	74	165	3, 986	3, 668	3, 282
Maryland.....	32, 805	35, 138	30, 823	1, 262	936	939	13, 841	12, 927	11, 441
District of Columbia.....	100	81	59	19	19	21	85	39	24
Virginia.....	136, 363	143, 587	121, 104	2, 134	1, 238	1, 636	47, 745	48, 898	47, 970
West Virginia.....	72, 101	74, 943	66, 573	1, 090	662	721	14, 098	14, 775	15, 347
North Carolina.....	151, 376	154, 805	141, 445	928	423	648	117, 459	128, 254	137, 615
South Carolina.....	67, 724	59, 969	54, 470	738	368	693	124, 231	112, 430	102, 768
Georgia.....	102, 123	88, 680	79, 802	1, 655	1, 407	1, 406	206, 954	159, 008	174, 390
Florida.....	38, 487	45, 586	39, 394	1, 829	1, 010	2, 835	13, 689	12, 621	16, 737
East South Central.....	525, 808	497, 825	465, 348	3, 506	1, 731	2, 888	522, 286	506, 496	593, 978
Kentucky.....	179, 327	175, 442	157, 403	969	281	675	90, 330	82, 801	88, 421
Tennessee.....	148, 082	148, 627	131, 526	807	324	611	103, 585	103, 718	113, 520
Alabama.....	107, 089	92, 948	90, 372	741	448	603	148, 269	144, 235	166, 420
Mississippi.....	91, 310	80, 808	86, 047	989	678	999	179, 802	175, 742	225, 617
West South Central.....	464, 328	412, 064	410, 397	5, 013	3, 058	5, 508	526, 747	602, 183	667, 231
Arkansas.....	112, 647	95, 476	89, 009	736	616	634	119, 221	125, 899	152, 691
Louisiana.....	57, 254	52, 396	53, 159	828	503	735	77, 881	79, 561	107, 551
Oklahoma.....	93, 217	81, 226	77, 714	935	494	823	97, 836	115, 498	125, 329
Texas.....	201, 210	182, 976	190, 615	2, 614	1, 445	3, 314	232, 309	281, 225	301, 660
Mountain.....	202, 515	179, 198	178, 898	4, 118	2, 410	3, 590	37, 478	51, 784	58, 828
Montana.....	50, 271	36, 281	35, 353	899	367	514	6, 507	10, 256	11, 628
Idaho.....	34, 647	30, 195	30, 612	758	511	603	6, 701	9, 886	10, 559
Wyoming.....	13, 403	12, 545	12, 195	377	191	296	1, 968	2, 776	3, 520
Colorado.....	45, 291	39, 617	38, 426	880	585	838	13, 763	17, 918	20, 692
New Mexico.....	25, 756	26, 005	24, 740	433	256	334	3, 655	5, 426	6, 330
Arizona.....	7, 869	8, 179	11, 294	305	296	548	1, 801	2, 327	2, 331
Utah.....	22, 579	23, 013	23, 608	296	90	230	2, 787	2, 882	3, 321
Nevada.....	2, 699	3, 463	2, 770	168	114	227	296	306	445
Pacific.....	180, 144	215, 930	205, 615	7, 033	8, 262	9, 548	46, 987	41, 395	46, 270
Washington.....	52, 701	60, 389	57, 588	1, 168	935	1, 238	12, 419	11, 943	12, 078
Oregon.....	39, 863	45, 887	44, 521	916	618	842	9, 427	9, 406	9, 790
California.....	87, 580	109, 654	103, 506	4, 949	6, 709	7, 768	25, 141	20, 046	24, 402

Source: Bureau of the Census, Department of Commerce.

No. 526.—FARM ACREAGE, TOTAL AND CROP LAND HARVESTED: By TENURE AND BY STATES

NOTE.—For total farm acreage and total crop land harvested (all tenures combined) see tables 517 and 518. Data for owners include land exclusively owned and the additional land rented and operated by the owner

[All figures in thousands of acres]

Division and State	All land in farms operated by—									Cropland harvested in 1929 on farms operated by—		
	Owners			Managers			Tenants			Owners	Managers	Tenants
	1920	1925	1930	1920	1925	1930	1920	1925	1930			
United States.....	636, 775	616, 336	618, 376	54, 129	43, 097	61, 986	264, 980	284, 887	306, 409	201, 750	6, 920	150, 672
New England.....	14, 705	14, 344	12, 592	980	581	751	1, 306	934	940	3, 249	154	257
Maine.....	5, 074	4, 936	4, 338	146	71	129	206	154	173	1, 233	30	51
New Hampshire.....	2, 296	2, 109	1, 736	154	58	123	153	96	102	342	18	21
Vermont.....	3, 521	3, 407	3, 325	150	100	152	565	419	419	911	34	129
Massachusetts.....	2, 022	2, 051	1, 690	313	212	215	159	104	100	409	42	23
Rhode Island.....	249	248	220	30	24	18	53	37	41	43	4	8
Connecticut.....	1, 543	1, 593	1, 283	187	116	114	169	123	105	321	26	25
Middle Atlantic.....	29, 019	29, 464	27, 768	1, 923	910	1, 277	9, 631	7, 117	6, 002	11, 120	449	2, 754
New York.....	15, 084	15, 459	14, 577	932	496	622	4, 816	3, 315	2, 781	5, 612	185	1, 161
New Jersey.....	1, 425	1, 404	1, 236	208	68	144	649	452	378	550	49	178
Pennsylvania.....	12, 510	12, 600	11, 955	782	346	511	4, 366	3, 350	2, 843	4, 958	215	1, 415
East North Central.....	78, 518	75, 580	72, 355	2, 867	1, 651	2, 096	33, 550	35, 521	36, 440	34, 532	894	21, 218
Ohio.....	15, 000	15, 083	14, 410	562	266	396	7, 954	6, 870	6, 707	6, 401	162	3, 553
Indiana.....	12, 870	12, 667	12, 286	473	288	360	7, 720	6, 961	7, 042	6, 022	159	4, 033
Illinois.....	16, 265	15, 798	15, 227	713	450	512	14, 997	14, 485	14, 957	8, 640	283	10, 035
Michigan.....	14, 541	14, 470	13, 605	588	369	462	3, 904	3, 197	3, 052	6, 163	142	1, 432
Wisconsin.....	17, 841	17, 562	16, 827	532	279	366	3, 775	4, 010	4, 682	7, 306	148	2, 165
West North Central.....	168, 570	155, 780	160, 645	6, 079	3, 497	4, 974	82, 324	88, 805	99, 889	78, 917	1, 419	58, 379
Minnesota.....	21, 014	20, 186	19, 567	443	224	307	8, 765	9, 649	11, 039	11, 132	161	7, 153
Iowa.....	18, 051	17, 092	16, 444	569	390	476	14, 855	15, 799	17, 100	10, 250	272	11, 754
Missouri.....	24, 687	22, 733	22, 217	664	350	513	9, 423	9, 559	11, 012	8, 247	158	4, 771
North Dakota.....	26, 850	23, 523	26, 415	811	271	387	8, 553	10, 533	11, 856	14, 057	183	7, 014
South Dakota.....	24, 169	20, 937	22, 474	890	771	961	9, 877	10, 310	13, 035	10, 123	142	7, 591
Nebraska.....	26, 422	25, 555	25, 726	1, 480	776	1, 454	14, 323	15, 693	17, 529	11, 316	300	9, 783
Kansas.....	27, 377	25, 753	27, 802	1, 221	714	876	16, 827	17, 263	18, 298	13, 792	203	10, 313
South Atlantic.....	61, 798	58, 301	51, 651	4, 402	3, 511	3, 751	31, 575	26, 758	30, 961	13, 628	844	13, 048
Delaware.....	451	465	480	21	16	30	472	418	391	214	16	178
Maryland.....	2, 751	2, 674	2, 640	259	182	228	8, 748	7, 577	1, 506	1, 028	88	626
Dist. of Columbia.....	2	1	1	2	2	2	2	1	1	1	1	(1)
Virginia.....	13, 761	13, 311	12, 250	824	514	656	3, 765	3, 385	3, 823	2, 126	145	1, 014
West Virginia.....	7, 813	7, 483	7, 145	356	211	257	1, 400	1, 286	1, 400	1, 352	48	255
North Carolina.....	13, 442	12, 533	11, 072	386	232	255	6, 194	5, 829	6, 728	2, 935	69	2, 806
South Carolina.....	6, 717	5, 987	5, 228	425	293	437	5, 285	4, 359	4, 728	1, 623	79	2, 434
Georgia.....	12, 801	11, 889	9, 855	926	800	932	11, 714	9, 257	11, 292	2, 771	238	5, 329
Florida.....	4, 060	3, 958	2, 980	1, 202	1, 260	954	784	647	1, 092	888	160	406
East South Central.....	54, 022	49, 049	45, 289	1, 529	923	1, 288	23, 347	20, 635	26, 241	11, 766	312	13, 070
Kentucky.....	16, 792	15, 829	14, 611	270	137	196	4, 551	3, 947	5, 120	3, 661	48	1, 621
Tennessee.....	13, 779	13, 025	11, 729	221	124	207	5, 511	4, 751	6, 068	3, 421	56	2, 629
Alabama.....	12, 117	10, 086	9, 404	455	245	332	7, 004	6, 408	7, 819	2, 639	75	4, 401
Mississippi.....	11, 334	10, 108	9, 645	583	416	553	6, 280	5, 529	7, 234	2, 045	133	3, 419
West South Central.....	104, 781	97, 711	93, 160	16, 511	11, 698	22, 594	52, 157	55, 305	68, 222	23, 814	919	32, 105
Arkansas.....	11, 810	10, 027	8, 990	352	318	292	5, 295	5, 287	6, 771	2, 751	92	3, 739
Louisiana.....	6, 255	5, 624	4, 761	900	590	876	2, 864	2, 624	3, 718	1, 468	199	2, 601
Oklahoma.....	18, 472	15, 609	16, 471	926	1, 327	986	12, 554	13, 933	16, 333	7, 090	138	8, 325
Texas.....	68, 244	66, 451	62, 938	14, 333	9, 762	20, 370	31, 444	33, 461	41, 400	12, 505	490	17, 640
Mountain.....	90, 889	96, 542	114, 233	12, 974	14, 047	18, 057	13, 475	18, 100	25, 160	16, 385	780	6, 114
Montana.....	23, 953	25, 365	34, 145	2, 860	1, 912	3, 015	3, 258	5, 459	7, 499	5, 975	186	1, 680
Idaho.....	6, 799	6, 185	7, 050	386	272	438	1, 191	1, 659	1, 859	2, 235	83	831
Wyoming.....	9, 360	15, 062	18, 934	1, 466	1, 939	2, 085	984	1, 662	2, 506	1, 515	87	406
Colorado.....	18, 622	17, 387	19, 540	1, 596	1, 285	2, 167	4, 244	5, 496	7, 169	4, 083	189	2, 479
New Mexico.....	17, 854	19, 800	21, 857	3, 863	4, 733	5, 350	2, 693	3, 317	3, 615	1, 043	34	417
Arizona.....	3, 820	7, 580	6, 049	1, 391	2, 515	3, 468	592	970	1, 009	286	73	120
Utah.....	4, 063	4, 469	4, 501	616	184	608	372	347	504	980	39	141
Nevada.....	1, 420	2, 693	2, 157	796	1, 208	926	141	190	999	268	89	40
Pacific.....	36, 473	37, 566	40, 683	6, 865	5, 980	7, 268	12, 815	10, 713	12, 574	8, 339	1, 149	3, 697
Washington.....	9, 260	9, 042	9, 379	541	360	560	3, 444	3, 208	3, 595	2, 360	95	1, 203
Oregon.....	10, 017	10, 853	12, 878	838	901	839	2, 687	2, 377	2, 832	2, 057	145	705
California.....	17, 196	17, 672	18, 426	5, 485	4, 718	5, 869	6, 684	5, 127	6, 147	3, 922	909	1, 719

¹ Less than 500

Source. Bureau of the Census, Department of Commerce.

No. 527.—PERCENTAGE OF TOTAL NUMBER OF FARMS AND TOTAL ACREAGE OPERATED BY TENANTS: BY STATES

Division and State	Per cent of total operated by tenants										Per cent of tenants related to landlord, 1930	
	Number of farms				All land in farms				Crop land harvested			
	1910	1920	1925	1930	1910	1920	1925	1930	1924	1929	Cash	Other
United States.....	37.0	38.1	38.6	42.4	25.8	27.7	28.7	31.1	40.6	41.9	19.6	19.1
New England.....	8.0	7.4	5.6	6.3	7.8	7.7	5.9	6.6	6.4	7.0	25.9	30.2
Maine.....	4.3	4.2	3.4	4.5	3.6	3.8	3.0	3.7	3.1	3.9	28.3	36.4
New Hampshire.....	6.9	6.7	4.8	5.3	5.4	5.9	4.2	5.2	4.5	5.4	21.8	43.2
Vermont.....	12.3	11.6	9.3	9.7	13.7	13.3	10.7	10.7	12.7	12.0	24.9	25.1
Massachusetts.....	8.1	7.1	4.8	5.6	7.0	6.4	4.4	5.0	4.3	4.9	29.6	33.1
Rhode Island.....	18.0	15.5	12.1	12.5	18.2	15.9	12.1	14.8	12.1	14.6	16.7	38.8
Connecticut.....	9.8	8.5	6.4	6.2	9.9	8.9	6.7	7.0	6.5	6.8	25.3	28.5
Middle Atlantic.....	22.3	20.7	15.8	14.7	25.9	23.7	19.0	17.1	21.5	19.2	27.3	29.8
New York.....	20.8	19.2	14.1	13.2	24.4	22.4	17.2	15.5	18.8	16.7	27.8	29.0
New Jersey.....	24.8	23.0	15.9	15.6	30.4	28.5	23.5	21.5	25.3	22.9	21.3	27.4
Pennsylvania.....	23.3	21.9	17.4	15.9	27.1	24.7	20.6	18.6	24.1	21.5	28.0	30.6
East North Central.....	27.0	28.1	26.0	27.3	30.0	32.6	31.5	32.9	36.6	37.5	30.3	30.4
Ohio.....	28.4	29.5	25.5	26.3	31.4	33.8	30.9	31.2	35.4	35.1	28.0	31.2
Indiana.....	30.0	32.0	29.2	30.1	32.3	36.7	35.0	35.8	39.3	39.5	26.9	28.1
Illinois.....	41.4	42.7	42.0	43.1	43.6	46.9	47.1	48.7	51.5	52.9	30.5	28.2
Michigan.....	15.8	17.7	15.1	15.5	17.8	20.5	17.7	17.8	19.2	18.5	25.2	33.6
Wisconsin.....	13.9	14.4	15.5	18.2	15.8	17.0	18.4	21.4	19.8	22.5	37.2	39.6
West North Central.....	30.9	34.2	37.8	39.9	27.0	32.0	35.8	37.6	41.0	42.1	29.4	29.1
Minnesota.....	21.0	24.7	27.1	31.1	23.8	29.0	32.1	35.7	36.0	38.8	33.5	30.2
Iowa.....	37.8	41.7	44.7	47.3	39.0	44.4	47.5	50.3	50.2	52.8	32.8	31.4
Missouri.....	29.9	28.8	32.6	34.8	25.4	27.1	29.3	32.6	34.2	36.2	22.4	23.2
North Dakota.....	14.3	25.6	34.4	35.1	15.3	23.6	30.7	30.7	32.9	33.0	21.3	22.4
South Dakota.....	24.8	34.9	41.5	44.6	23.3	27.7	32.2	35.7	41.0	42.5	23.3	25.4
Nebraska.....	38.1	42.9	46.4	47.1	27.3	33.9	37.3	39.2	45.0	45.7	31.4	35.6
Kansas.....	36.8	40.4	42.2	42.4	30.6	37.0	39.5	39.0	44.0	42.4	22.1	33.0
South Atlantic.....	45.9	46.8	44.5	48.1	30.1	32.3	30.2	35.8	45.7	47.4	14.5	14.1
Delaware.....	41.9	39.3	35.8	33.8	52.1	49.9	46.5	43.4	49.1	43.7	14.4	13.4
Maryland.....	29.5	28.9	26.4	26.5	38.5	36.7	35.6	34.4	38.9	35.9	23.3	19.2
District of Columbia.....	38.7	41.7	28.1	23.1	35.9	35.1	21.2	13.8	19.6	14.6	8.7	-----
Virginia.....	26.5	25.6	25.2	28.1	21.1	21.4	19.7	22.9	24.6	25.5	16.0	20.9
West Virginia.....	20.5	16.2	16.3	18.6	15.5	14.6	14.3	15.9	15.1	15.4	15.5	24.9
North Carolina.....	42.3	43.5	45.2	49.2	27.6	30.9	31.3	37.2	46.3	48.3	22.9	14.7
South Carolina.....	63.0	64.5	65.1	65.1	36.4	42.5	41.0	45.5	60.0	58.8	13.7	10.6
Georgia.....	65.6	66.6	63.8	68.2	42.0	46.0	42.2	51.1	59.3	63.9	12.5	12.7
Florida.....	26.7	25.3	21.3	28.4	13.1	13.0	11.0	21.7	23.2	27.9	8.9	16.3
East South Central.....	50.7	49.7	50.3	55.9	28.0	29.6	29.2	36.0	49.2	52.0	10.7	15.7
Kentucky.....	33.9	33.4	32.0	35.9	19.9	21.1	19.8	25.7	30.6	30.4	15.8	23.7
Tennessee.....	41.1	41.1	41.0	46.2	25.1	28.2	26.5	33.7	40.9	43.1	12.7	20.0
Alabama.....	60.2	57.9	60.7	64.7	34.2	35.8	38.3	44.5	59.6	61.9	9.7	16.6
Mississippi.....	66.1	66.1	68.3	72.2	33.7	34.5	34.4	41.7	63.0	67.0	9.8	9.7
West South Central.....	52.8	52.9	59.2	62.3	28.7	30.1	33.5	37.1	55.5	56.5	11.0	15.7
Arkansas.....	50.0	51.3	56.7	63.0	27.0	30.3	33.8	42.2	50.9	56.8	10.0	12.6
Louisiana.....	55.3	57.1	60.1	66.6	25.7	28.6	29.7	39.7	52.3	59.0	11.2	11.9
Oklahoma.....	54.8	51.0	58.6	61.5	43.1	39.3	45.1	48.3	52.2	53.5	7.2	16.1
Texas.....	52.6	53.3	60.4	60.9	22.5	27.6	30.5	33.2	58.7	57.6	15.6	18.3
Mountain.....	10.7	15.4	22.2	24.4	10.5	11.5	14.5	16.0	25.3	26.3	13.5	18.7
Montana.....	8.9	11.3	21.9	24.5	10.9	9.3	16.7	16.8	22.4	21.4	11.9	14.7
Idaho.....	10.3	15.9	24.4	25.3	10.7	14.2	20.4	19.9	26.1	26.4	15.3	21.3
Wyoming.....	8.2	12.5	17.9	22.0	6.2	8.3	8.9	10.7	18.1	20.2	12.5	17.9
Colorado.....	18.2	23.0	30.9	34.5	16.7	17.4	22.7	24.8	33.9	36.7	12.1	17.8
New Mexico.....	5.5	12.2	17.1	20.2	8.7	11.0	11.9	11.7	23.2	27.9	11.6	16.4
Arizona.....	9.3	18.1	21.5	16.4	8.6	10.2	8.8	9.6	26.0	25.1	6.5	15.9
Utah.....	7.9	10.9	11.1	12.2	5.7	7.4	6.9	9.0	11.7	12.2	26.2	41.1
Nevada.....	12.4	9.4	7.9	12.9	5.8	6.0	4.6	24.5	6.2	10.0	16.0	22.8
Pacific.....	17.2	20.1	15.6	17.7	19.8	22.8	19.7	20.8	27.1	27.7	12.7	21.2
Washington.....	13.7	18.7	16.3	17.0	17.7	26.0	25.4	26.6	32.5	32.9	15.0	26.7
Oregon.....	15.1	18.8	16.8	17.8	16.1	19.8	16.8	17.1	25.7	24.3	19.1	27.7
California.....	20.6	21.4	14.7	18.0	22.2	22.8	18.6	20.2	24.8	26.2	9.4	15.1

No. 528.—NUMBER AND ACREAGE OF FARMS: BY COLOR OF OPERATOR AND BY STATES

NOTE.—For total number of farms and acreage of all land in farms see Table 518. "White" includes Mexicans and Hindus. "Colored" includes Negroes, Indians, Chinese, Japanese, and all other nonwhite races.

Division and State	Number of farms operated by—				All land (thousands of acres) in farms operated by—			
	White farmers		Colored farmers		White farmers		Colored farmers	
	1920	1930	1920	1930	1920	1930	1920	1930
United States.....	5,498,454	5,372,578	949,889	918,070	910,939	945,683	44,945	41,088
New England.....	156,293	194,766	271	159	16,970	14,273	21	10
Maine.....	48,214	38,989	13	17	5,425	4,639	1	1
New Hampshire.....	20,509	14,898	14	8	2,602	1,959	2	1
Vermont.....	29,047	24,876	28	22	4,231	3,892	4	3
Massachusetts.....	31,880	25,534	121	64	2,489	2,004	6	2
Rhode Island.....	4,063	3,311	20	11	331	279	1	1
Connecticut.....	22,580	17,158	75	37	1,892	1,500	7	2
Middle Atlantic.....	423,611	356,396	1,536	1,207	40,477	34,968	96	80
New York.....	192,645	150,346	550	460	20,590	17,942	43	38
New Jersey.....	29,167	24,994	2,535	384	2,256	1,738	26	20
Pennsylvania.....	201,799	172,056	451	363	17,631	15,288	27	22
East North Central.....	1,080,267	963,019	4,477	3,483	117,458	110,652	278	239
Ohio.....	255,079	185,059	1,616	1,237	23,416	21,421	100	93
Indiana.....	204,554	181,085	572	475	21,027	19,660	37	29
Illinois.....	236,288	213,603	893	894	31,917	30,637	58	58
Michigan.....	195,714	168,811	733	561	18,984	17,081	49	38
Wisconsin.....	188,632	181,451	663	316	22,114	21,853	34	21
West North Central.....	1,090,032	1,101,648	6,919	11,107	255,461	264,071	1,512	1,417
Minnesota.....	178,271	185,010	207	245	30,202	30,892	20	21
Iowa.....	213,330	214,774	109	154	33,466	34,008	9	11
Missouri.....	260,178	250,079	2,826	5,861	34,584	33,486	190	257
North Dakota.....	77,147	77,174	543	801	36,028	38,508	187	150
South Dakota.....	73,025	80,417	1,612	2,740	33,786	35,680	850	791
Nebraska.....	124,033	129,188	384	270	42,159	44,678	67	30
Kansas.....	164,048	165,006	1,238	1,036	45,236	46,819	189	157
South Atlantic.....	775,144	760,089	383,832	298,379	79,550	71,704	18,225	14,659
Delaware.....	9,268	8,900	872	807	890	846	55	55
Maryland.....	41,699	37,936	6,209	5,267	4,406	4,029	352	346
Dist. of Columbia.....	184	93	20	11	5	3	(1)	(1)
Virginia.....	138,456	130,937	47,786	39,673	16,298	14,683	2,263	2,046
West Virginia.....	86,785	82,150	504	491	9,542	8,774	28	28
North Carolina.....	193,473	202,835	76,290	76,873	16,584	14,662	3,437	3,392
South Carolina.....	83,683	80,506	109,010	77,425	8,047	7,221	4,380	3,172
Georgia.....	180,545	168,809	130,187	86,789	18,369	16,974	7,072	6,105
Florida.....	41,051	47,923	12,954	11,043	5,409	4,512	638	515
East South Central.....	744,368	741,255	307,232	320,959	66,784	60,886	12,114	11,931
Kentucky.....	257,998	237,395	12,628	9,104	21,186	19,585	427	342
Tennessee.....	214,592	210,519	38,182	35,138	17,987	16,646	1,524	1,357
Alabama.....	160,896	163,566	95,203	93,829	15,229	13,396	4,348	4,159
Mississippi.....	110,882	129,775	161,219	182,888	12,382	11,259	5,815	6,073
West South Central.....	764,238	840,785	231,850	262,349	162,469	172,890	10,980	11,216
Arkansas.....	160,322	162,755	72,282	79,579	14,832	13,565	2,625	2,488
Louisiana.....	73,404	87,675	62,059	73,770	7,837	7,040	2,183	2,315
Oklahoma.....	173,263	180,929	18,725	22,937	30,239	31,825	1,713	1,966
Texas.....	357,249	409,426	78,784	86,063	109,561	120,260	4,459	4,447
Mountain.....	238,662	230,391	5,447	10,923	116,340	156,446	997	1,004
Montana.....	56,614	46,311	1,063	1,184	34,419	44,260	652	999
Idaho.....	41,598	40,976	508	698	8,328	9,290	45	57
Wyoming.....	15,579	15,748	169	263	11,787	23,483	23	43
Colorado.....	59,381	59,355	553	601	24,375	28,794	87	82
New Mexico.....	27,969	28,059	1,875	3,545	24,345	30,578	64	244
Arizona.....	9,329	10,220	646	3,953	5,742	10,407	60	119
Utah.....	25,248	26,591	414	568	4,999	5,574	51	39
Nevada.....	2,944	3,131	219	311	2,345	4,060	12	21
Pacific.....	225,839	254,229	8,325	7,504	55,490	59,993	722	532
Washington.....	65,022	69,555	1,266	1,349	13,143	13,405	101	129
Oregon.....	49,633	54,470	573	683	13,442	16,476	100	73
California.....	111,184	130,204	6,486	5,472	28,845	30,112	521	330

¹ Less than 500.

Source Bureau of the Census, Department of Commerce

No. 529.—NUMBER OF FARMS IN THE SOUTH: BY COLOR AND TENURE OF OPERATOR, 1930

NOTE—See headnote Table 528

	Total	Full owners	Part owners	Man-agers	Tenants			
					Total	Cash	Croppers	Other
The South:								
White.....	2,342,129	1,050,187	183,469	16,529	1,091,944	140,112	383,381	568,451
Colored.....	881,687	140,496	41,523	829	698,839	97,920	392,897	208,022
South Atlantic:								
White.....	760,089	406,386	53,041	8,485	292,177	49,472	120,487	122,218
Colored.....	298,379	60,714	19,789	479	217,397	29,327	124,171	63,899
Delaware—								
White.....	8,900	5,507	380	146	2,867	440	165	2,262
Colored.....	807	309	64	19	415	54	60	301
Maryland—								
White.....	37,936	25,971	1,911	819	9,235	1,629	1,049	6,557
Colored.....	5,267	2,362	579	120	2,206	213	597	1,396
District of Columbia—								
White.....	93	46	5	20	22	21	-----	1
Colored.....	11	7	1	1	2	2	-----	-----
Virginia—								
White.....	130,937	85,756	10,900	1,459	32,822	5,516	10,456	16,850
Colored.....	39,673	19,200	5,248	77	15,148	1,767	6,797	6,584
West Virginia—								
White.....	82,150	60,253	5,947	714	15,236	7,046	1,811	6,379
Colored.....	491	328	45	7	111	38	23	50
North Carolina—								
White.....	202,835	102,567	19,167	625	80,476	6,692	34,286	39,498
Colored.....	76,873	13,198	6,513	23	57,139	2,545	34,805	19,789
South Carolina—								
White.....	80,506	33,578	4,900	622	41,406	6,511	17,893	17,002
Colored.....	77,425	11,937	4,055	71	61,362	11,759	31,046	18,557
Georgia—								
White.....	168,809	61,582	7,139	1,334	98,754	17,001	51,404	30,349
Colored.....	86,789	9,014	2,067	72	75,636	10,532	49,450	15,654
Florida—								
White.....	47,923	31,126	2,692	2,746	11,359	4,616	3,423	3,320
Colored.....	11,043	4,359	1,217	89	5,378	2,417	1,393	1,568
East South Central:								
White.....	741,255	358,174	56,586	2,747	323,748	43,543	130,742	149,463
Colored.....	320,959	39,420	11,168	141	270,230	53,371	150,239	66,620
Kentucky—								
White.....	237,395	132,160	21,068	660	83,507	8,748	27,134	47,625
Colored.....	9,104	3,055	1,120	15	4,914	140	3,116	1,658
Tennessee—								
White.....	210,519	104,166	19,528	577	86,248	9,353	33,745	43,150
Colored.....	35,138	5,687	2,145	34	27,272	2,863	16,559	7,850
Alabama—								
White.....	163,566	63,727	10,714	580	88,545	16,652	37,562	34,331
Colored.....	93,829	11,417	4,514	23	77,875	32,055	27,672	18,248
Mississippi—								
White.....	129,775	58,121	5,276	930	65,448	8,790	32,301	24,357
Colored.....	182,888	19,261	3,389	69	160,169	18,313	102,992	38,864
West South Central:								
White.....	840,785	285,627	73,842	5,297	476,019	47,097	132,152	296,770
Colored.....	262,349	40,362	10,566	209	211,212	15,222	118,487	77,503
Arkansas—								
White.....	162,755	63,539	14,015	611	84,590	8,855	29,569	46,166
Colored.....	79,579	9,058	2,397	23	68,101	6,106	45,465	16,530
Louisiana—								
White.....	87,675	38,107	4,549	681	44,338	6,194	17,214	20,930
Colored.....	73,770	8,786	1,717	54	63,213	6,692	32,214	24,307
Oklahoma—								
White.....	180,929	47,097	22,283	779	110,770	16,569	16,495	77,706
Colored.....	22,937	6,550	1,784	44	14,559	1,029	4,560	8,970
Texas—								
White.....	409,426	136,884	32,995	3,226	236,321	15,479	68,874	151,968
Colored.....	86,063	15,968	4,668	88	65,399	1,395	36,248	27,696

Source Bureau of the Census, Department of Commerce.

No. 530.—ACREAGE OF FARMS IN THE SOUTH: BY COLOR AND TENURE OF OPERATOR, 1930

[All figures in thousands of acres. See headnote Table 528]

	Total	Full owners	Part owners	Man-agers	Tenants			
					Total	Cash	Croppers	Other
The South.								
White.....	305,281	136,194	42,427	27,296	99,364	23,066	19,635	56,663
Colored.....	37,806	9,010	2,469	267	26,060	4,095	11,970	9,995
South Atlantic:								
White.....	71,704	41,694	5,699	3,641	20,670	4,396	6,284	9,989
Colored.....	14,659	3,314	944	110	10,290	1,472	5,079	3,740
Delaware—								
White.....	846	431	36	26	353	32	16	304
Colored.....	55	11	3	3	38	2	4	31
Maryland—								
White.....	4,029	2,306	226	207	1,290	144	144	1,002
Colored.....	346	88	20	22	216	9	47	160
District of Columbia—								
White.....	(1) 3	(1) 1	(1)	(1) 2	(1)	(1)	-----	(1)
Colored.....	(1)	(1)	(1)	(1)	(1)	(1)	-----	-----
Virginia—								
White.....	14,683	9,743	1,324	632	2,984	547	680	1,756
Colored.....	2,046	937	246	23	839	115	284	441
West Virginia—								
White.....	8,774	6,305	822	256	1,392	578	174	639
Colored.....	28	16	3	1	9	2	1	5
North Carolina—								
White.....	14,663	8,712	1,378	249	4,323	443	1,303	2,577
Colored.....	3,393	697	285	6	2,404	138	1,212	1,054
South Carolina—								
White.....	7,221	3,859	582	416	2,365	525	759	1,081
Colored.....	3,172	617	171	21	2,363	339	1,091	934
Georgia—								
White.....	16,974	7,944	1,028	908	7,095	1,675	2,992	2,427
Colored.....	5,105	726	157	24	4,198	763	2,380	1,054
Florida—								
White.....	4,512	2,395	304	945	868	450	216	202
Colored.....	515	223	59	9	224	104	59	61
East South Central:								
White.....	60,886	36,381	5,384	1,238	17,883	3,319	4,873	9,690
Colored.....	11,931	2,874	649	50	8,358	2,025	3,660	2,673
Kentucky—								
White.....	19,585	12,580	1,848	193	4,964	676	1,007	3,281
Colored.....	342	138	45	3	156	5	74	77
Tennessee—								
White.....	16,646	9,569	1,741	200	5,136	692	1,321	3,122
Colored.....	1,357	310	109	6	932	137	442	354
Alabama—								
White.....	13,396	7,030	1,184	318	4,864	1,286	1,575	2,003
Colored.....	4,159	917	273	14	2,955	1,198	938	819
Mississippi—								
White.....	11,259	7,203	611	526	2,919	665	970	1,284
Colored.....	6,073	1,509	221	27	4,315	685	2,206	1,424
West South Central:								
White.....	172,690	58,119	1,344	22,417	60,811	15,350	8,478	36,983
Colored.....	11,216	2,822	876	107	7,411	598	3,231	3,582
Arkansas—								
White.....	13,565	6,713	1,573	285	4,995	673	1,055	3,266
Colored.....	2,488	561	144	7	1,776	220	961	595
Louisiana—								
White.....	7,040	3,595	562	856	2,026	388	535	1,103
Colored.....	2,315	513	90	20	1,692	205	718	769
Oklahoma—								
White.....	31,825	7,244	8,313	943	15,325	2,549	1,529	11,247
Colored.....	1,966	623	291	43	1,008	103	218	688
Texas—								
White.....	120,260	40,567	20,895	20,333	38,464	11,740	5,358	21,366
Colored.....	4,447	1,125	350	37	2,935	70	1,334	1,531

1 Less than 500 acres.

Source: Bureau of the Census, Department of Commerce.

No. 531.—VALUE OF FARM PROPERTY: FARMS OPERATED BY OWNERS AND TENANTS, BY GEOGRAPHIC DIVISIONS

NOTE.—For total value of farm property by geographic divisions, all tenures (including managers) combined, see Table 519, p. 544

Division	Farms operated by—							
	Full owners		Part owners		Cash tenants		Other tenants	
	1925	1930	1925	1930	1925	1930	1925	1930
Value of land and buildings (millions of dollars)								
United States.....	24, 209	21, 123	8, 808	8, 136	3, 370	3, 301	13, 480	12, 580
New England.....	748	713	40	77	29	34	22	23
Middle Atlantic.....	2, 006	1, 948	145	219	175	195	357	261
East North Central.....	5, 450	4, 354	1, 347	1, 413	721	668	3, 298	2, 635
West North Central.....	6, 498	5, 254	3, 210	3, 406	1, 534	1, 658	5, 116	4, 564
South Atlantic.....	2, 534	2, 116	190	279	162	201	1, 018	964
East South Central.....	1, 457	1, 369	157	214	141	190	685	532
West South Central.....	1, 963	1, 964	561	860	221	326	2, 049	2, 329
Mountain.....	980	970	581	757	91	130	405	443
Pacific.....	2, 572	2, 435	576	851	297	399	531	529
Value of implements and machinery (millions of dollars)								
United States.....	1, 482 0	1, 585 0	385 3	631.2	159.1	233 8	606 6	759 7
New England.....	69 9	73 1	4 4	8 5	2.1	3 0	1.9	1 9
Middle Atlantic.....	247 9	256 2	19 8	31.0	15 0	18 4	42 9	36 4
East North Central.....	327 7	328 4	68 9	98 2	33 1	40.6	130 4	146 2
West North Central.....	340 1	379 2	177 7	283 5	69 3	110 9	223.3	307.8
South Atlantic.....	131 2	123 1	11 1	17 8	6 6	9 8	40.6	41 1
East South Central.....	77 4	89 9	9 2	14 6	7 1	11.0	28 0	37.7
West South Central.....	112 5	130 0	30 8	59 1	9.5	14 6	95.1	123 6
Mountain.....	64 3	86 0	34 2	70 5	4.8	9 6	21 9	37.9
Pacific.....	111 1	119 1	29 4	48.0	11.7	15.9	22.4	27 1
Average value of land and buildings per farm (dollars)								
United States.....	7, 306	7, 255	12, 270	12, 389	8, 565	7, 770	6, 515	5, 784
New England.....	5, 210	6, 649	8, 806	11, 372	5, 167	6, 404	6, 570	8, 924
Middle Atlantic.....	6, 041	7, 002	8, 999	10, 456	7, 907	9, 328	8, 089	8, 276
East North Central.....	8, 163	7, 630	12, 831	11, 465	12, 381	10, 638	15, 350	13, 098
West North Central.....	12, 849	11, 477	17, 823	17, 047	16, 193	13, 634	15, 732	14, 149
South Atlantic.....	4, 607	4, 531	3, 209	3, 835	2, 613	2, 548	2, 361	2, 238
East South Central.....	3, 334	3, 443	2, 592	3, 157	1, 753	1, 958	1, 601	1, 674
West South Central.....	5, 668	6, 024	8, 531	10, 187	5, 305	5, 232	3, 656	3, 727
Mountain.....	7, 185	7, 444	13, 709	15, 583	8, 309	8, 292	9, 911	10, 278
Pacific.....	13, 246	13, 778	26, 486	29, 474	15, 401	16, 083	23, 986	24, 649
Average value of implements and machinery per farm (dollars)								
United States.....	447	544	694	981	404	478	293	349
New England.....	487	682	950	1, 255	375	570	566	741
Middle Atlantic.....	746	921	1, 229	1, 484	682	880	972	1, 154
East North Central.....	491	576	662	796	568	646	607	727
West North Central.....	673	828	987	1, 394	732	912	687	954
South Atlantic.....	239	264	186	244	106	124	94	95
East South Central.....	177	226	151	216	91	114	66	76
West South Central.....	325	399	468	701	227	233	170	198
Mountain.....	470	660	806	1, 450	439	609	537	878
Pacific.....	572	674	1, 352	1, 663	605	642	1, 012	1, 261

Source: Bureau of the Census, Department of Commerce.

No. 532.—NUMBER OF FARMS: BY KIND OF ROAD ON WHICH LOCATED, 1930

Kind of road	United States	New England	Middle Atlantic	East North Central	West North Central
Total number of farms.....	6, 288, 648	124, 925	357, 603	966, 502	1, 112, 755
Kind of road located on:					
Concrete.....	202, 594	3, 185	35, 395	60, 022	20, 704
Brick.....	13, 180	7	1, 714	8, 372	1, 136
Asphalt.....	72, 011	1, 892	4, 743	5, 859	1, 115
Macadam.....	306, 397	18, 894	64, 821	91, 538	7, 290
Gravel.....	1, 279, 113	31, 460	35, 833	395, 149	209, 730
Sand-clay.....	156, 531	456	1, 257	4, 915	5, 102
Improved dirt.....	1, 638, 954	18, 449	38, 679	131, 642	423, 792
Unimproved dirt.....	2, 279, 989	45, 588	160, 903	231, 416	401, 660
All other (including not reported).....	339, 879	4, 994	14, 258	37, 589	42, 226

Kind of road	South Atlantic	East South Central	West South Central	Mountain	Pacific
Total number of farms.....	1, 058, 468	1, 062, 214	1, 103, 134	241, 314	261, 733
Kind of road located on:					
Concrete.....	31, 032	11, 875	14, 093	4, 409	21, 879
Brick.....	1, 521	163	179	3	85
Asphalt.....	22, 704	9, 015	17, 405	864	8, 414
Macadam.....	37, 188	48, 221	4, 822	2, 748	30, 875
Gravel.....	64, 802	249, 862	152, 481	51, 806	87, 990
Sand-clay.....	109, 792	19, 991	13, 810	912	296
Improved dirt.....	268, 212	242, 765	406, 718	70, 365	38, 332
Unimproved dirt.....	457, 086	419, 195	422, 303	92, 007	49, 831
All other (including not reported).....	66, 131	61, 127	71, 323	18, 200	24, 031

Source Bureau of the Census, Department of Commerce

No. 533.—MORTGAGE STATUS OF FARMS OWNED BY OPERATOR

Item	1900 ¹	1910	1920	1925	1930
FARMS OWNED WHOLLY OR IN PART BY THE OPERATOR					
Total number.....	3, 638, 403	3, 948, 722	3, 925, 090	3, 868, 332	3, 568, 394
Reported as free from mortgage.....	2, 419, 180	2, 588, 596	2, 074, 325	(²)	1, 845, 997
Reported as mortgaged.....	1, 093, 164	1, 312, 034	1, 461, 306	³ 1, 395, 026	1, 497, 766
Unknown (no report).....	126, 059	48, 092	389, 459	(²)	224, 631
Percent of total					
Free from mortgage.....	66.5	65.6	52.8	(²)	51.7
Reported as mortgaged.....	30.0	33.2	37.2	³ 36.1	42.0
Unknown (no report).....	3.5	1.2	9.9	(²)	6.3
FARMS OWNED WHOLLY BY THE OPERATOR					
Total number.....	3, 201, 947	3, 354, 897	3, 366, 510	3, 313, 490	2, 911, 644
Number reporting amount of mortgage debt.....	(²)	1, 006, 511	1, 193, 047	³ 1, 128, 207	1, 145, 737
Percent of total.....	(²)	30.0	35.4	34.0	39.4
Value of all wholly owned farms (land and buildings).....1,000 dollars.....	9, 129, 328	17, 310, 639	30, 710, 721	24, 208, 740	21, 123, 468
Ratio of mortgage debt to value.....percent.....	(²)	10.0	13.0	18.7	19.3
Reporting mortgage debt.					
Total number.....	(²)	1, 006, 511	1, 193, 047	³ 1, 128, 207	1, 145, 737
Value of land and buildings.....1,000 dollars.....	(²)	6, 330, 237	13, 775, 500	10, 790, 244	10, 307, 732
Amount of mortgage debt.....do.....	(²)	1, 726, 173	4, 003, 767	4, 517, 259	4, 080, 176
Ratio of mortgage debt to value.....percent.....	(²)	27.3	29.1	41.9	39.6
Average per mortgaged farm.					
Value of land and buildings.....dollars.....	(²)	6, 289	11, 546	9, 564	8, 997
Amount of mortgage debt.....do.....	(²)	1, 715	3, 356	4, 004	3, 561
Equity owned.....do.....	(²)	4, 574	8, 190	5, 560	-5, 436

¹ Farm homes occupied by their owners ² Not reported.³ Number reporting amount of mortgage debt on farm land and buildings anywhere in the United States

Source: Bureau of the Census, Department of Commerce

No. 534.—MORTGAGE STATUS OF FARMS OWNED WHOLLY OR IN PART BY THE OPERATOR: BY STATES

NOTE.—The number of all owned farms includes farms with mortgage status not reported, which constituted 9.9 per cent of the owned farms in 1920 and 6.3 per cent in 1930. The 1925 schedule called only for the amount of mortgages on farms

Division and State	All owned farms (number)			Free from mortgage (number)		Mortgaged (number)		
	1920	1925	1930	1920	1930	1920	1925	1930
United States.....	3,925,090	3,868,332	3,568,394	2,074,325	1,845,997	1,461,308	1,395,026	1,497,766
New England.....	140,180	148,159	114,104	80,412	58,788	58,138	49,864	49,675
Maine.....	45,437	47,984	36,748	30,605	22,535	13,023	11,925	11,933
New Hampshire.....	18,604	19,805	13,755	11,992	7,704	5,589	4,716	4,925
Vermont.....	18,121	24,889	22,009	12,132	9,945	12,225	10,560	11,634
Massachusetts.....	28,087	30,870	23,198	14,055	9,961	12,632	12,248	12,159
Rhode Island.....	3,245	3,263	2,808	1,971	1,619	949	946	1,026
Connecticut.....	19,666	21,258	15,586	9,597	7,024	8,920	9,179	7,998
Middle Atlantic.....	327,104	348,179	299,095	179,328	163,718	125,616	110,810	120,417
New York.....	151,717	159,949	136,041	75,522	68,786	66,033	61,905	61,546
New Jersey.....	21,889	24,535	20,771	10,000	9,316	10,085	10,118	10,663
Pennsylvania.....	153,498	163,695	142,283	93,804	85,616	48,498	38,787	48,208
East North Central.....	768,786	771,876	693,892	382,771	342,455	326,313	305,046	318,108
Ohio.....	177,986	181,347	159,849	110,004	94,179	50,784	47,800	56,088
Indiana.....	137,210	137,429	125,517	73,233	61,731	51,474	49,960	56,908
Illinois.....	132,574	129,074	119,892	68,892	62,990	51,039	45,814	49,459
Michigan.....	159,406	161,974	141,647	72,869	68,046	78,758	70,853	68,973
Wisconsin.....	159,610	162,052	146,987	57,773	55,509	94,258	90,619	86,680
West North Central.....	711,156	685,787	661,115	278,906	271,396	368,158	350,991	361,596
Minnesota.....	132,744	136,382	126,570	54,086	53,830	69,545	66,319	63,070
Iowa.....	121,888	116,444	111,333	45,807	41,371	66,096	64,781	64,425
Missouri.....	185,030	174,388	165,318	82,099	80,056	85,538	76,970	80,184
North Dakota.....	56,917	49,813	50,105	12,833	14,124	40,462	31,602	33,590
South Dakota.....	47,815	46,180	45,609	16,037	15,394	27,262	28,813	27,287
Nebraska.....	69,672	67,766	67,418	27,065	24,893	35,191	38,279	38,961
Kansas.....	97,090	95,149	94,762	40,979	41,728	44,064	44,227	49,079
South Atlantic.....	607,089	609,304	539,930	408,804	350,970	118,028	126,838	145,935
Delaware.....	6,010	6,515	6,260	3,504	3,470	2,018	1,748	2,407
Maryland.....	32,805	35,138	30,823	19,292	17,575	11,339	10,513	11,648
Dist. of Columbia.....	100	81	59	53	35	29	19	20
Virginia.....	136,363	143,587	121,104	98,470	87,031	24,331	27,075	27,614
West Virginia.....	72,101	74,943	66,573	52,617	49,259	10,274	9,104	11,557
North Carolina.....	151,376	154,805	141,445	102,950	89,364	24,499	29,918	39,322
South Carolina.....	67,724	59,969	54,470	42,847	32,222	14,299	15,521	18,320
Georgia.....	102,123	88,680	79,802	64,061	46,479	23,135	24,083	25,417
Florida.....	38,487	45,586	39,394	25,010	25,535	8,102	8,857	9,720
East South Central.....	525,808	497,825	465,348	339,312	282,467	124,723	119,931	144,803
Kentucky.....	179,327	175,442	157,403	116,613	103,780	40,615	34,688	38,180
Tennessee.....	148,082	148,627	131,526	105,128	87,010	32,264	30,793	34,415
Alabama.....	107,089	92,948	90,372	64,498	47,406	27,854	27,990	36,417
Mississippi.....	91,310	80,808	86,047	53,073	44,271	23,990	26,750	35,791
West South Central.....	464,328	412,064	410,397	236,932	209,049	182,738	147,212	165,998
Arkansas.....	112,647	95,476	89,009	64,881	47,494	33,990	31,419	33,702
Louisiana.....	57,254	52,386	53,159	36,010	30,339	11,783	14,424	17,680
Oklahoma.....	93,217	81,226	77,714	30,551	31,776	47,025	39,263	38,658
Texas.....	201,210	182,976	190,515	105,490	99,440	69,940	62,106	75,458
Mountain.....	202,515	179,198	178,898	88,731	77,774	97,038	94,939	85,279
Montana.....	50,271	36,281	35,353	16,365	14,498	29,897	19,818	18,902
Idaho.....	34,647	30,195	30,512	11,872	11,466	20,060	16,509	17,418
Wyoming.....	13,403	12,545	12,195	6,816	4,772	5,513	6,088	6,493
Colorado.....	45,291	39,517	38,426	20,965	15,741	21,131	20,997	20,016
New Mexico.....	25,756	26,005	24,740	16,650	15,655	6,257	6,897	5,727
Arizona.....	7,869	8,179	11,294	3,708	4,822	3,380	3,276	3,606
Utah.....	22,579	23,013	23,608	10,756	9,488	9,916	10,190	11,877
Nevada.....	2,699	3,463	2,770	1,599	1,332	884	1,164	1,150
Pacific.....	180,144	215,930	205,615	79,131	89,380	85,956	99,395	108,555
Washington.....	52,701	60,389	57,588	25,012	25,774	24,004	27,604	28,831
Oregon.....	39,863	45,887	44,521	18,077	19,754	17,843	20,990	23,070
California.....	87,580	109,654	103,506	36,042	43,852	44,109	50,801	54,654

No. 535.—MORTGAGE DEBT OF FARMS OWNED WHOLLY BY THE OPERATOR: By States

NOTE.—This table does not include farms operated by managers or tenants or consisting in part of rented land

Division and State	Farms operated by full owners reporting amount of mortgage debt								
	Number of farms			Value of land and buildings (thousands of dollars)			Amount of debt (thousands of dollars)		
	1920	1925	1930	1920	1925	1930	1920	1925	1930
United States.....	1, 193, 047	1, 128, 207	1, 145, 737	13, 775, 500	10, 790, 244	10, 307, 732	4, 003, 767	4, 517, 259	4, 080, 176
New England.....	49, 456	47, 817	45, 760	271, 163	272, 769	323, 653	81, 756	109, 361	117, 387
Maine.....	12, 345	11, 632	11, 198	58, 427	59, 644	66, 734	18, 592	24, 619	22, 539
New Hampshire.....	4, 951	4, 591	4, 543	20, 274	18, 264	22, 706	6, 821	7, 209	8, 200
Vermont.....	11, 504	10, 431	10, 884	61, 071	51, 883	61, 755	23, 576	24, 057	26, 376
Massachusetts.....	11, 663	11, 660	11, 025	70, 745	76, 362	94, 302	23, 412	28, 402	34, 060
Rhode Island.....	856	869	892	4, 865	5, 185	7, 992	1, 494	1, 971	2, 655
Connecticut.....	8, 137	8, 634	7, 218	55, 781	61, 431	70, 164	17, 861	23, 102	23, 557
Middle Atlantic.....	113, 441	104, 317	109, 945	711, 868	696, 005	853, 011	258, 397	286, 334	333, 001
New York.....	59, 735	57, 245	55, 110	388, 114	397, 889	435, 168	145, 533	165, 622	170, 460
New Jersey.....	9, 296	9, 824	9, 920	67, 176	81, 964	106, 900	25, 123	31, 893	39, 797
Pennsylvania.....	44, 410	37, 248	44, 915	256, 577	210, 152	310, 943	87, 741	88, 818	122, 744
East N. Central.....	274, 347	255, 246	251, 907	2, 959, 228	2, 290, 835	2, 114, 502	922, 266	1, 011, 942	950, 569
Ohio.....	43, 068	41, 110	45, 628	387, 188	307, 622	333, 723	121, 121	134, 738	143, 090
Indiana.....	40, 416	38, 734	41, 210	439, 153	300, 320	278, 866	105, 256	112, 612	112, 185
Illinois.....	36, 693	31, 354	32, 226	775, 395	535, 833	454, 764	197, 212	218, 544	199, 229
Michigan.....	67, 119	60, 707	55, 663	420, 108	351, 799	339, 467	144, 103	149, 683	141, 035
Wisconsin.....	87, 081	83, 341	77, 180	937, 385	795, 252	707, 682	354, 574	389, 356	355, 030
West N. Central.....	266, 281	239, 431	228, 199	5, 414, 232	3, 660, 025	2, 966, 693	1, 437, 337	1, 642, 124	1, 286, 834
Minnesota.....	57, 585	52, 184	49, 667	925, 963	612, 428	526, 964	254, 475	267, 027	235, 114
Iowa.....	52, 341	49, 744	47, 051	1, 814, 260	1, 272, 036	934, 084	489, 817	625, 629	452, 903
Missouri.....	68, 794	59, 494	58, 113	752, 008	493, 793	413, 926	216, 463	220, 265	187, 864
North Dakota.....	22, 623	15, 597	13, 983	380, 133	200, 549	158, 460	108, 285	82, 411	60, 444
South Dakota.....	14, 039	13, 511	11, 157	411, 837	234, 807	166, 808	89, 875	100, 306	64, 359
Nebraska.....	23, 986	23, 631	22, 713	705, 561	512, 906	444, 850	168, 508	216, 256	172, 843
Kansas.....	26, 923	25, 270	25, 515	424, 469	333, 506	321, 601	109, 914	130, 231	113, 507
South Atlantic.....	103, 039	113, 567	122, 943	652, 812	670, 906	688, 282	192, 689	249, 235	241, 605
Delaware.....	1, 903	1, 723	2, 199	11, 422	9, 874	14, 137	4, 460	4, 326	5, 617
Maryland.....	10, 407	10, 118	10, 524	75, 082	69, 717	83, 644	27, 481	29, 575	32, 864
Dist. of Col.....	24	16	17	238	222	383	93	77	89
Virginia.....	21, 155	24, 269	23, 282	151, 585	159, 208	169, 030	41, 726	55, 890	53, 425
West Virginia.....	9, 031	8, 409	10, 292	43, 989	38, 533	52, 207	11, 206	13, 828	16, 261
North Carolina.....	20, 149	24, 983	31, 065	103, 282	119, 996	133, 587	31, 968	43, 621	49, 671
South Carolina.....	12, 265	13, 669	15, 135	92, 053	80, 251	66, 015	25, 153	32, 564	26, 447
Georgia.....	20, 797	22, 024	21, 992	124, 579	122, 228	89, 402	37, 671	51, 076	35, 624
Florida.....	7, 308	8, 356	8, 437	50, 581	70, 877	79, 857	12, 910	18, 279	21, 607
East S. Central.....	109, 619	103, 782	120, 346	570, 595	482, 813	486, 077	176, 102	202, 449	186, 684
Kentucky.....	35, 581	29, 782	31, 471	230, 557	150, 923	163, 093	67, 116	65, 403	62, 778
Tennessee.....	27, 496	25, 770	27, 673	159, 001	131, 288	129, 553	49, 836	53, 890	49, 750
Alabama.....	24, 748	23, 659	29, 617	81, 899	79, 541	94, 208	29, 103	33, 328	37, 422
Mississippi.....	21, 844	24, 571	31, 585	99, 149	121, 061	98, 716	30, 046	49, 829	36, 734
West S. Central.....	131, 550	117, 523	122, 321	1, 134, 848	924, 782	952, 691	304, 632	345, 423	322, 934
Arkansas.....	29, 504	26, 489	26, 669	129, 348	115, 471	92, 603	38, 539	46, 383	35, 388
Louisiana.....	10, 301	12, 958	14, 983	68, 362	70, 564	70, 069	20, 491	30, 270	26, 675
Oklahoma.....	34, 045	27, 366	24, 097	272, 616	184, 013	181, 340	73, 434	73, 079	60, 932
Texas.....	57, 700	50, 710	56, 572	664, 523	554, 735	608, 682	172, 167	195, 790	199, 239
Mountain.....	74, 118	59, 368	55, 714	927, 906	543, 823	559, 443	283, 424	234, 899	206, 919
Montana.....	21, 244	11, 754	9, 612	240, 550	95, 174	92, 696	77, 950	42, 565	36, 599
Idaho.....	17, 142	12, 997	13, 210	223, 649	121, 917	128, 334	69, 868	54, 912	50, 225
Wyoming.....	3, 937	3, 653	3, 721	55, 610	33, 654	38, 177	15, 303	14, 865	12, 782
Colorado.....	15, 735	14, 444	12, 665	211, 701	144, 065	127, 163	62, 623	61, 408	48, 855
New Mexico.....	4, 331	4, 828	3, 623	43, 085	31, 215	32, 748	11, 178	11, 579	10, 026
Arizona.....	2, 879	2, 628	2, 775	50, 453	36, 390	37, 254	15, 648	13, 321	11, 618
Utah.....	8, 086	7, 995	9, 135	84, 578	59, 172	82, 583	24, 335	26, 164	28, 741
Nevada.....	767	1, 068	973	18, 281	22, 296	20, 488	6, 519	10, 084	8, 074
Pacific.....	71, 196	87, 156	88, 602	1, 132, 948	1, 248, 296	1, 363, 400	337, 184	435, 493	434, 943
Washington.....	19, 503	23, 412	23, 813	202, 018	199, 425	221, 341	61, 121	74, 212	72, 303
Oregon.....	14, 355	17, 393	18, 183	166, 663	174, 196	186, 174	51, 999	65, 592	64, 117
California.....	37, 338	46, 351	46, 606	764, 166	874, 675	955, 885	224, 064	295, 689	298, 523

Source. Bureau of the Census, Department of Commerce.

No. 536.—FARM TAXES, FARMS OWNED WHOLLY BY THE OPERATOR: By STATES, 1929

[Acreage in thousands; all money figures, except average tax per acre, in thousands of dollars]

Division and State	All farms operated by full owners, number	Farms operated by full owners reporting total taxes and real-estate taxes							Taxes on land and buildings		
		Number of farms	Per cent reporting	Acreage	Value of land and buildings	Taxes on all farm property	Total	Average per acre	Ratio to value (per cent)		
United States.....	2,911,644	2,565,157	88.1	325,809	18,841,822	281,403	238,940	\$0.73	1.27		
New England.....	107,300	96,741	90.2	10,568	630,572	12,204	9,921	.94	1.57		
Maine.....	35,468	32,303	91.1	3,781	152,856	3,596	2,800	.74	1.83		
New Hampshire.....	12,966	11,021	85.0	1,354	51,500	1,276	1,069	.79	2.08		
Vermont.....	20,662	19,358	93.7	2,858	104,221	2,067	1,591	.56	1.53		
Massachusetts.....	21,410	19,410	90.7	1,394	169,916	3,381	2,539	2.04	1.67		
Rhode Island.....	2,523	2,190	85.6	173	17,904	226	192	1.11	1.07		
Connecticut.....	14,271	12,489	87.5	1,006	134,175	1,658	1,430	1.42	1.07		
Middle Atlantic.....	278,193	248,157	89.6	22,642	1,713,955	28,173	26,434	1.17	1.54		
New York.....	124,206	114,172	91.9	11,861	814,162	12,103	11,486	.97	1.41		
New Jersey.....	19,564	16,554	84.6	976	172,176	3,141	2,745	2.81	1.59		
Pennsylvania.....	134,423	118,431	88.1	9,805	727,617	12,929	12,263	1.24	1.68		
East North Central.....	570,680	521,402	91.4	49,966	4,016,686	76,484	65,193	1.30	1.62		
Ohio.....	136,332	124,572	91.4	10,491	826,522	18,263	14,969	1.43	1.81		
Indiana.....	97,553	87,027	89.2	7,595	533,700	13,235	10,787	1.42	2.02		
Illinois.....	85,069	76,964	90.5	8,511	855,680	11,407	9,756	1.15	1.10		
Michigan.....	118,928	107,248	90.2	9,467	649,949	14,409	13,455	1.42	2.07		
Wisconsin.....	132,778	125,691	94.6	13,902	1,120,815	19,170	16,226	1.17	1.45		
West North Central.....	457,770	418,891	91.5	72,480	4,895,181	62,806	53,600	.74	1.09		
Minnesota.....	97,878	91,588	93.6	12,423	927,764	13,242	11,707	.94	1.26		
Iowa.....	85,279	82,107	88.2	10,007	1,243,755	15,455	13,724	1.37	1.02		
Missouri.....	127,989	119,496	93.4	14,946	794,407	8,628	7,123	.48	.90		
North Dakota.....	23,807	21,326	89.6	7,940	237,600	4,280	3,688	.46	1.55		
South Dakota.....	22,372	18,330	81.9	5,438	262,893	4,014	3,354	.62	1.28		
Nebraska.....	43,301	40,134	92.7	10,996	723,595	7,515	6,118	.56	.85		
Kansas.....	57,151	52,828	92.4	10,730	605,157	9,672	7,886	.73	1.30		
South Atlantic.....	467,100	410,389	87.9	39,949	1,634,544	24,787	19,839	.50	1.08		
Delaware.....	5,816	5,019	86.3	381	31,952	269	238	.63	.75		
Maryland.....	28,333	22,765	80.3	1,932	162,729	2,149	1,873	.97	1.15		
Dist. of Col.....	53	53	100.0	1	1,527	15	14	21.18	.90		
Virginia.....	104,956	97,440	92.8	9,994	519,918	4,694	3,546	.35	.68		
West Virginia.....	60,581	55,553	91.7	5,873	227,978	3,859	2,965	.50	1.30		
North Carolina.....	115,765	108,664	89.5	8,477	376,428	6,366	5,109	.60	1.36		
South Carolina.....	45,515	40,835	89.7	3,940	144,925	2,248	1,810	.46	1.25		
Georgia.....	70,598	59,133	83.8	7,247	188,971	2,926	2,339	.32	1.24		
Florida.....	35,485	25,927	73.1	2,004	180,116	2,261	1,945	.97	1.08		
East South Central.....	397,594	342,303	86.1	34,014	1,171,792	17,341	14,714	.43	1.26		
Kentucky.....	135,215	113,699	84.1	10,873	454,321	5,511	4,601	.42	1.01		
Tennessee.....	109,853	94,737	86.2	8,623	348,756	4,479	4,207	.49	1.21		
Alabama.....	75,144	65,954	87.8	6,965	183,057	2,126	1,731	.25	.95		
Mississippi.....	77,382	67,913	87.8	7,553	185,658	5,225	4,175	.55	2.25		
West South Central.....	325,988	275,222	84.4	49,087	1,636,814	19,777	15,774	.32	.96		
Arkansas.....	72,597	64,475	88.8	6,528	185,149	2,334	1,675	.26	.91		
Louisiana.....	46,893	37,847	79.6	3,235	134,130	2,268	1,859	.57	1.39		
Oklahoma.....	53,647	42,787	79.8	6,630	290,707	4,477	3,759	.57	1.29		
Texas.....	152,852	130,613	85.5	32,704	1,026,828	10,698	8,478	.26	.83		
Mountain.....	130,287	99,468	76.3	30,141	823,374	14,004	10,777	.36	1.31		
Montana.....	20,101	16,030	79.7	7,935	137,045	2,222	1,636	.21	1.19		
Idaho.....	24,194	20,233	83.6	3,387	174,516	3,140	2,586	.76	1.48		
Wyoming.....	7,896	6,151	77.9	3,793	54,867	848	567	.15	1.03		
Colorado.....	26,929	21,938	81.5	6,203	185,735	3,285	2,564	.41	1.38		
New Mexico.....	19,930	12,315	61.8	4,139	59,367	878	655	.16	1.10		
Arizona.....	9,727	4,456	45.8	911	51,947	862	681	.75	1.31		
Utah.....	19,046	16,461	86.4	2,673	128,313	2,245	1,729	.65	1.35		
Nevada.....	2,464	1,884	76.5	1,100	31,584	524	359	.33	1.14		
Pacific.....	176,751	151,584	85.8	17,154	2,118,994	25,827	22,688	1.32	1.07		
Washington.....	49,702	43,907	88.3	3,790	361,592	4,967	4,361	1.15	1.21		
Oregon.....	36,674	32,199	87.8	5,467	229,720	3,961	3,399	.62	1.17		
California.....	90,375	75,478	83.5	7,897	1,466,612	16,899	14,928	1.89	1.02		

No. 537.—FARM EXPENDITURES FOR

[Amounts in thou-

Division and State	Feed			Fertilizer					
	Farms reporting	Per cent of all farms	Amount expended	Farms reporting	Per cent of all farms	Amount expended	Commercial fertilizer		
							Farms reporting	Per cent of all farms	Tons bought
United States.....	3,283,400	52.2	919,180	2,324,090	37.0	271,059	2,289,546	35.6	7,535,022
New England.....	104,673	83.8	87,418	68,537	54.9	15,413	68,318	54.7	345,303
Maine.....	30,493	78.2	11,498	23,953	61.4	7,288	23,865	61.2	170,950
New Hampshire.....	12,716	85.3	7,623	6,960	46.7	440	6,947	46.6	11,500
Vermont.....	21,900	88.0	11,547	11,945	48.0	681	11,928	47.9	17,443
Massachusetts.....	21,634	84.5	20,671	14,289	55.8	3,015	14,232	55.6	68,611
Rhode Island.....	2,892	87.1	3,047	1,890	56.9	336	1,872	56.4	7,909
Connecticut.....	15,038	87.5	13,030	9,500	55.2	3,653	9,474	55.1	68,890
Middle Atlantic.....	293,504	82.1	154,687	224,819	62.9	30,202	206,325	57.7	798,433
New York.....	131,617	82.5	77,400	90,500	56.6	11,506	81,424	51.0	287,959
New Jersey.....	20,970	82.6	20,829	16,948	66.8	6,583	16,913	66.6	162,361
Pennsylvania.....	140,617	81.6	56,458	117,371	68.1	12,113	107,988	62.6	348,113
East North Central.....	642,432	66.5	146,850	350,789	36.3	29,284	318,594	33.0	773,057
Ohio.....	140,122	63.9	32,604	131,372	59.9	11,028	129,486	59.0	330,441
Indiana.....	113,734	62.6	26,135	83,006	45.7	7,054	81,679	45.0	206,144
Illinois.....	143,337	66.8	35,973	30,639	14.3	3,594	15,143	7.1	53,800
Michigan.....	107,275	63.3	21,051	72,128	42.6	5,474	66,550	39.3	140,083
Wisconsin.....	137,954	75.9	31,087	33,644	18.5	2,134	25,736	14.2	42,586
West North Central.....	678,626	61.0	214,676	67,978	6.1	4,472	58,419	5.1	106,332
Minnesota.....	113,627	61.3	19,679	9,402	5.1	714	8,968	4.8	15,803
Iowa.....	145,500	67.7	53,703	15,767	7.3	1,171	10,015	4.7	21,177
Missouri.....	167,613	65.5	47,253	35,762	14.0	2,031	32,564	12.7	57,432
North Dakota.....	28,296	36.3	4,204	572	0.7	52	342	0.4	958
South Dakota.....	40,527	45.7	12,436	319	0.4	21	103	0.1	133
Nebraska.....	79,355	61.3	42,286	685	0.5	54	428	0.3	732
Kansas.....	103,708	62.5	35,115	5,471	3.3	429	3,999	2.4	10,097
South Atlantic.....	427,520	40.4	63,893	813,149	76.8	119,239	808,199	76.4	3,707,305
Delaware.....	7,417	76.4	3,685	7,550	77.8	1,301	7,525	77.5	42,736
Maryland.....	32,070	74.2	10,613	33,697	78.0	5,525	33,676	77.9	180,363
Dist. of Columbia.....	84	80.8	117	73	70.2	18	72	69.2	305
Virginia.....	81,507	47.8	12,640	110,588	64.8	11,781	108,162	63.4	388,937
West Virginia.....	44,942	54.4	5,694	30,320	36.7	1,161	30,208	36.6	45,656
North Carolina.....	121,859	43.6	11,116	234,426	83.8	34,687	233,467	83.5	1,107,763
South Carolina.....	40,134	25.4	3,573	139,234	88.2	22,080	138,976	88.0	708,470
Georgia.....	77,050	30.1	8,358	217,456	85.1	27,533	216,633	84.8	860,602
Florida.....	22,457	38.1	8,097	39,805	67.5	15,153	39,480	67.0	372,473
East South Central.....	390,887	36.8	43,041	530,273	49.9	40,094	529,175	49.8	1,185,827
Kentucky.....	105,486	42.8	12,506	74,112	30.1	2,599	73,822	29.9	92,823
Tennessee.....	104,476	42.5	10,810	96,794	39.4	4,110	96,613	39.3	138,600
Alabama.....	88,111	34.2	8,229	208,058	80.8	21,830	207,677	80.7	646,707
Mississippi.....	92,814	29.7	11,496	151,309	48.4	11,555	151,063	48.3	307,697
West South Central.....	454,367	41.2	75,221	221,100	20.0	15,719	219,773	19.9	431,855
Arkansas.....	110,676	45.7	12,407	73,686	30.4	4,607	73,314	30.3	127,293
Louisiana.....	59,055	36.6	7,872	66,541	41.2	5,229	66,333	41.1	143,657
Oklahoma.....	93,234	45.7	17,138	4,440	2.2	252	4,171	2.0	7,895
Texas.....	191,402	38.6	37,804	76,433	15.4	5,631	75,955	15.3	153,010
Mountain.....	117,397	48.6	46,824	5,817	2.4	630	3,824	1.6	10,272
Montana.....	20,692	43.6	6,872	303	0.6	30	157	0.3	248
Idaho.....	22,051	52.9	7,040	1,694	4.1	81	1,342	3.2	2,091
Wyoming.....	7,995	49.9	5,136	281	1.8	25	203	1.3	358
Colorado.....	31,212	52.1	13,829	1,484	2.5	165	749	1.2	1,175
New Mexico.....	12,476	39.7	3,816	844	2.7	98	720	2.3	2,339
Arizona.....	6,885	48.6	3,472	524	3.7	176	512	3.6	3,704
Utah.....	13,929	51.3	4,693	640	2.4	49	106	0.4	264
Nevada.....	2,157	62.7	1,721	41	1.2	6	35	1.0	93
Pacific.....	174,004	66.5	108,582	41,628	15.9	16,006	28,919	11.0	176,638
Washington.....	51,429	72.5	25,297	9,610	13.6	1,194	8,370	11.8	21,561
Oregon.....	38,519	69.8	13,167	8,163	14.8	670	4,499	8.2	12,467
California.....	84,056	62.0	68,118	23,855	17.6	14,142	16,050	11.8	142,610

¹ Including automobiles, trucks, tractors, etc.

² Paid to a power company.

SPECIFIED PURPOSES. BY STATES, 1929

sands of dollars]

Farm labor, exclusive of housework (cash)				Farm implements and machinery ¹			Electric light and power ²			Division and State
Farms reporting	Per cent of all farms	Amount expended	Days of hired labor (thou-sands)	Farms reporting purchases	Per cent of all farms	Amount expended	Farms reporting purchases	Per cent of all farms	Amount expended	
2,631,601	41 8	955,420	410,985	1,750,588	27 8	692,548	571,007	9 1	46,484	U. S.
73,836	59 1	49,839	16,357	40,420	32 4	17,608	45,522	36 4	2,986	New Eng.
22,795	58 4	9,043	3,091	12,140	31 1	5,384	10,358	28 0	498	Me.
8,849	59 4	3,980	1,410	4,209	28 2	1,700	5,014	33 6	307	N. H.
15,364	61.7	5,495	2,431	8,413	33 8	3,084	6,403	25 7	331	Vt.
15,247	59 6	17,288	5,138	8,775	34 3	4,135	13,821	54 0	1,051	Mass.
1,885	56 7	2,277	721	1,139	34 3	581	1,671	50 3	153	R. I.
9,696	56 4	11,756	3,566	5,744	33 4	2,724	7,675	41 6	646	Conn.
197,968	55 4	94,888	35,908	137,646	38 5	56,994	87,533	24 5	5,735	Mid. Atl.
90,455	56 6	45,421	17,420	65,326	40 9	28,041	43,350	27 1	2,770	N. Y.
14,648	57 7	17,553	5,636	9,880	38 9	5,409	10,968	43 2	920	N. J.
92,865	53 9	31,714	12,852	62,440	36 2	23,544	33,215	19 3	2,045	Pa.
448,862	46 4	132,476	60,664	330,482	34 2	124,124	129,047	13 4	7,372	E. N. C.
90,863	41 2	25,409	11,056	57,431	26 2	20,617	37,695	17 2	1,930	Ohio
68,943	38 0	16,786	8,258	45,752	25 2	16,580	18,569	10 2	908	Ind.
112,916	52 6	40,946	18,216	77,321	36 0	34,332	18,317	8 5	1,192	Ill.
76,078	44 9	19,853	8,268	60,932	36 0	24,378	24,233	14 3	1,252	Mich.
100,062	55 0	29,482	14,866	89,046	49 0	31,747	30,233	16 6	2,090	Wis.
603,904	54 3	178,678	76,337	481,100	43 2	246,396	72,093	6 5	4,569	W. N. C.
105,057	56 7	27,527	13,204	87,672	47 3	35,115	12,413	6 7	855	Minn.
122,669	57 1	39,681	17,609	108,286	50 4	51,567	25,149	11 7	1,627	Iowa.
96,449	37 8	19,851	10,663	59,551	23 3	17,401	12,486	4 9	602	Mo.
57,838	74 2	24,595	8,765	41,261	52 9	26,745	1,721	2 2	180	N. Dak.
48,762	58 6	14,647	6,144	41,186	49 5	24,375	2,534	3 0	182	S. Dak.
76,806	59 3	25,356	9,946	65,862	50 9	36,056	7,485	5 8	559	Nebr.
96,123	57 9	27,021	10,006	77,282	46 5	55,113	10,305	6 2	594	Kans.
367,185	34.7	91,880	57,253	222,033	21 0	37,512	37,416	3 5	2,241	S. Atl.
5,285	54 4	2,518	1,090	3,423	35 3	1,354	1,027	10 6	89	Del.
25,454	58 9	12,866	5,966	13,407	31 0	5,128	6,226	14 4	446	Md.
70	67 3	317	95	22	21.2	10	54	51 9	3	D. C.
62,451	36 6	18,774	10,338	31,478	18 5	8,474	7,730	4 5	470	Va.
28,933	35 0	5,012	2,581	11,737	14 2	2,880	2,844	3 4	154	W. Va.
88,837	31 8	11,674	7,858	48,125	17 2	6,705	8,774	3 1	403	N. C.
49,180	31.1	9,003	8,656	35,682	22 2	3,589	3,039	1 9	145	S. C.
78,998	30 9	13,992	12,202	67,806	26 5	5,898	3,591	1 4	207	Ga.
27,977	47 4	17,724	8,467	10,953	18 6	3,474	4,131	7 0	324	Fla.
250,148	23 5	33,775	23,532	158,151	14 9	24,724	18,776	1 8	1,031	E. S. C.
70,788	28 7	11,489	6,901	26,550	10 8	6,155	5,863	2 4	323	Ky.
71,184	29 0	8,661	6,278	36,009	14 7	6,575	6,720	2 7	337	Tenn.
60,865	23 5	7,073	5,746	60,208	23 4	5,569	3,839	1 5	107	Ala.
47,811	15 3	6,852	4,607	35,384	11 3	6,425	2,354	0 8	174	Miss.
394,848	35 8	110,614	58,398	215,330	19 5	74,715	18,534	1 7	1,680	W. S. C.
66,036	27 2	9,627	36,043	39,988	16 5	5,955	2,689	1 1	309	Ark.
35,919	22 2	13,081	8,883	23,704	14 7	4,361	1,949	1 2	241	La.
90,606	44 4	22,245	10,025	53,682	26 3	24,462	3,942	1 9	208	Okla.
202,287	40 8	65,661	33,447	97,956	19.8	39,937	9,954	2 0	862	Tex.
132,285	54.8	85,897	31,242	88,578	36 7	56,908	39,160	16 2	2,789	Mountain.
27,421	57 7	16,371	5,754	20,812	43 8	17,442	1,983	4 2	158	Mont.
25,475	61 1	12,706	4,088	17,336	41.6	9,698	10,731	25 7	671	Idaho.
8,481	53 0	8,605	3,199	6,873	42 9	4,727	454	2 8	47	Wyo.
35,016	58 4	21,550	7,256	22,834	38 1	13,700	6,548	10 9	423	Colo.
12,483	39 7	6,556	3,264	6,960	22.2	3,750	1,102	3 5	117	N. Mex.
6,158	43 4	10,389	3,946	3,565	25 2	2,892	3,070	21 7	773	Ariz.
16,127	55 7	6,059	1,974	8,864	32 6	3,877	14,462	53 2	544	Utah.
2,124	61 7	3,661	1,271	1,334	38 8	882	810	23.5	56	Nov.
163,065	62 3	177,673	51,294	76,848	29.4	53,667	122,928	47 0	18,081	Pacific
40,950	57 8	29,158	8,454	21,229	29 9	12,842	29,070	41 0	1,846	Wash.
31,583	57 3	18,257	6,185	17,107	31.0	9,907	14,991	27 2	796	Oreg.
90,492	66 7	130,158	36,655	38,512	28 4	30,818	78,865	58 1	15,439	Calif.

Source. Bureau of the Census, Department of Commerce.

No. 538.—AVERAGE PREVAILING FARM WAGE RATE AND INDEX NUMBERS OF FARM WAGES

NOTE.—To 1923, yearly averages are from reports by crop reporters, giving average wages for the year in their locality, thereafter, wage rates per month are straight averages of quarterly rates April, July, October of the current year and January of the following year

Year	Average yearly farm wage per month—		Weighted average wage rate per month	Index numbers of farm wages (1910=100)	Year	Average yearly farm wage per month—		Weighted average wage rate per month	Index numbers of farm wages (1910=100)
	With board	Without board				With board	Without board		
1866	\$10 09	\$15 50	\$13 14	55	1915	\$21.08	\$29 97	\$24.46	102
1874 or 1875	11 16	17 10	14 19	59	1916	23 04	32 58	26 83	112
1879 or 1880	11 70	17 53	14 14	59	1917	28 64	40 19	33.42	140
1881 or 1882	12 88	19 11	15 48	65	1918	35 12	49 13	42 12	176
1884 or 1885	13 08	19 22	15 58	65	1919	40 14	56 77	49 11	206
1887 or 1888	13 29	19 67	15 87	66	1920	47.24	65.05	57.01	239
1889 or 1890	13 29	19 45	15 79	66	1921	30.25	43 58	35 77	150
1891 or 1892	13 48	20 02	16 06	67	1922	29 31	42 09	34.91	146
1895	12 75	18 74	14 69	62	1923	33 09	46 74	39 64	166
1898	13 29	19 16	15 58	65	1924	33.34	47 22	39 67	166
1899	13 90	19 97	16 34	68	1925	33 88	47 80	40 12	168
1902	15 51	22 12	18 12	76	1926	34 86	48 86	40 88	171
1906	18 73	26 19	21 92	92	1927	34 58	48 63	40 60	170
1909	20 48	28 09	23 00	96	1928	34 66	48.65	40 44	169
1910	19 58	28 04	23 08	97	1929	34 74	49 08	40 52	170
1911	19 85	28 33	23 25	97	1930	31 14	44 59	36 24	152
1912	20 46	29 14	24 01	101	1931	28 60	35 03	27 61	116
1913	21 27	30 21	24 83	104	1932	17.53	26 67	20.46	86
1914	20 90	29 72	24.26	101	1933	15.86	24.61	19 17	80

Basis of rate and division	1932				1933				1934	
	Jan	Apr	July	Oct	Jan.	Apr	July	Oct	Jan	Apr.
Per month with board—										
United States	\$19.77	\$19.19	\$18.00	\$17 29	\$14 77	\$14.67	\$15 84	\$17 19	\$15 73	\$17 70
New England	31 83	30.69	29 01	27.69	24 80	23.22	24.73	27 28	24.40	25 74
Middle Atlantic	28.07	27 56	25 41	24 27	20 52	19 91	21 18	22 36	19.80	22 39
East North Central	21 97	21 90	20 32	19 40	16 05	15 91	17 03	17 61	15.69	18 95
West North Central	20 98	22 63	21 58	19 78	14 48	16 28	17 26	17 52	14.13	18 88
South Atlantic	14 43	13 38	12 30	12 19	11 16	10 62	11 63	13 06	13.38	13 38
East South Central	13 55	12 26	11 55	11 37	10 57	10 39	11 01	12 00	12.27	12 60
West South Central	15 85	14 38	13 64	13 99	12 74	12 10	13 08	15 78	14.87	15 59
Mountain	28 92	28 34	26 94	25 16	20 71	21 53	24 17	25 88	23.03	26 45
Pacific	35 21	33 48	31 40	29 12	26 05	24 74	28 29	30 30	25 87	30 29
Per month without board—										
United States	30.53	29.13	27 10	26 36	23 62	22 98	24 27	25 89	24.90	26 88
New England	55.65	51.25	45 30	47 35	43 87	42 31	42 87	45 79	43.96	46 56
Middle Atlantic	46 12	43 78	41 27	39 82	35 94	33 87	34 61	36 13	34 21	36 80
East North Central	33 80	32 07	29 93	28 36	25 43	24 86	25 71	26 80	25 05	28 29
West North Central	31 65	32 74	30 83	29 09	24 29	24 77	25 89	26 82	23 08	27 92
South Atlantic	21 80	20 04	18 59	18 45	17 09	16 37	17 52	19 46	20 02	20 13
East South Central	19 71	18 36	16 86	16 61	15 48	15 36	16 05	17 09	17 88	18 12
West South Central	23 86	21 92	20 05	20 87	19 53	18 44	19 57	22 43	22 30	22 90
Mountain	43 17	43 11	39 95	37 43	32 06	32 72	35 62	36 53	34 54	39 54
Pacific	58 17	55 01	50 92	47 94	42 82	40 87	46 27	49 04	45 68	48 42
Per day with board—										
United States	1.02	.97	.89	.87	.76	.75	.82	.91	.87	.93
New England	1.80	1 64	1 59	1 44	1 32	1 26	1 37	1 54	1 43	1 47
Middle Atlantic	1 66	1 58	1 48	1 39	1 18	1 18	1 25	1 31	1 24	1 31
East North Central	1 17	1 14	1 06	1 02	.89	.87	.96	1 00	.94	1 04
West North Central	1 12	1 11	1 04	.99	.81	.83	.92	.98	.88	.97
South Atlantic	.74	.68	.62	.62	.56	.54	.60	.70	.71	.72
East South Central	.67	.61	.55	.55	.52	.52	.55	.62	.62	.66
West South Central	.77	.73	.67	.67	.62	.62	.67	.80	.73	.80
Mountain	1 39	1 26	1 21	1 14	.99	1 00	1 03	1 24	1 13	1 23
Pacific	1 54	1 53	1 34	1 31	1 13	1 12	1 21	1 36	1 30	1 40
Per day without board—										
United States	1 40	1 35	1 23	1 19	1 06	1 05	1 12	1 25	1 21	1 27
New England	2 54	2 39	2 31	2 20	1 96	1 87	1 96	2 17	2 09	2 16
Middle Atlantic	2 30	2 22	2 06	1 92	1 72	1 66	1 73	1 82	1 75	1 82
East North Central	1 63	1 56	1 44	1 36	1 19	1 18	1 31	1 38	1 30	1 39
West North Central	1 55	1 58	1 43	1 36	1 16	1 19	1 27	1 35	1 23	1 37
South Atlantic	1 02	.91	.84	.84	.78	.75	.79	.91	.93	.96
East South Central	.87	.82	.75	.74	.68	.67	.73	.83	.84	.86
West South Central	1 03	.96	.85	.89	.83	.82	.87	1 03	1 03	1 02
Mountain	1 83	1 81	1 67	1 55	1 40	1 40	1 51	1 62	1 56	1 71
Pacific	2 36	2 26	2 01	1 92	1 70	1 66	1 79	2 06	2 00	2 11

Source Bureau of Agricultural Economics, Department of Agriculture.

No. 539.—FERTILIZER: ESTIMATED SALES IN THE UNITED STATES

NOTE.—Data are based on fertilizer tag sales for Southern States and on sales records, etc., for others. Where actual sales records are not available, estimates made by State authorities or the office of the National Fertilizer Association and based largely on records are shown as indicated by footnotes. Estimates for 1931 and 1932 have been revised and differ from those previously published

[In tons of 2,000 pounds]

Division and State	1926	1927	1928	1929	1930	1931	1932	1933 (prel.)
United States.....	7,328,268	8,643,199	7,985,019	8,078,548	8,163,870	8,306,083	4,368,912	4,812,569
New England.....	316,700	363,147	365,119	357,465	368,840	362,594	316,218	276,970
Maine.....	147,000	183,750	2 178,750	185,650	195,650	195,000	175,000	149,000
New Hampshire.....	1 14,680	1 16,875	1 16,900	1 11,500	1 11,500	1 10,500	1 10,998	1 10,000
Vermont.....	1 18,000	15,663	16,911	14,905	16,069	15,031	11,767	10,000
Massachusetts.....	58,920	71,734	70,458	68,611	66,621	65,063	61,953	54,970
Rhode Island.....	8,100	10,125	10,100	7,809	8,000	7,000	6,500	6,000
Connecticut.....	1 70,000	1 65,000	1 72,000	1 68,900	1 69,000	1 70,000	1 50,000	1 47,000
Middle Atlantic.....	698,045	728,149	743,558	798,433	778,160	697,927	607,651	550,515
New York.....	244,000	260,000	2 200,000	2 287,959	2 288,000	2 260,000	2 235,000	2 211,500
New Jersey.....	135,141	141,635	141,574	182,361	156,445	150,800	137,661	127,515
Pennsylvania.....	328,904	326,514	339,984	348,113	333,715	287,127	235,000	211,500
East North Central.....	679,001	718,948	755,711	820,402	788,274	598,469	374,903	414,434
Ohio.....	304,480	312,703	320,866	338,662	327,179	249,305	169,239	208,860
Indiana.....	228,280	240,498	221,082	250,201	224,055	166,005	80,384	97,862
Illinois.....	25,227	2 26,000	30,509	38,056	40,818	31,960	16,339	17,392
Michigan.....	105,014	117,227	2 150,213	2 152,812	2 145,000	2 105,589	2 82,428	2 74,000
Wisconsin.....	16,000	22,520	33,041	40,671	51,222	45,610	26,513	16,311
West North Central.....	82,874	83,574	99,565	107,638	109,714	93,275	48,025	48,314
Minnesota.....	11,316	11,387	14,211	15,803	16,254	17,698	9,320	7,257
Iowa.....	7,6,021	7 7,181	1 10,000	1 21,177	1 24,597	1 22,000	1 10,000	1 5,000
Missouri.....	56,891	56,100	64,922	58,892	59,810	45,944	26,427	32,422
North Dakota.....	250	398	2 450	4 958	1 1,548	1 1,000	1 432	1 200
South Dakota.....	2 150	2 200	2 220	4 132	2 150	2 150	2 100	2 100
Nebraska.....	2 500	2 600	2 732	1 1,000	2 500	2 200	2 200	2 1,000
Kansas.....	7,746	2 7,800	9,162	8 9,943	8 6,355	8 2,983	8 2,546	1 735
South Atlantic.....	3,921,678	3,686,528	4,191,219	4,048,417	4,122,685	3,309,019	2,353,628	2,740,447
Delaware.....	43,081	41,126	40,817	42,736	43,000	36,361	33,120	28,477
Maryland.....	163,285	165,174	173,159	180,363	177,021	146,139	124,880	132,876
Virginia.....	435,223	408,008	437,709	429,886	449,178	379,269	279,904	307,589
West Virginia.....	2 43,000	2 43,500	2 49,700	4 45,656	2 45,000	2 40,000	2 35,000	2 31,500
North Carolina.....	1,218,178	1,171,499	1,349,360	1,293,572	1,242,036	1,003,406	696,167	889,310
South Carolina.....	840,128	726,736	788,293	760,069	749,230	598,866	446,027	581,515
Georgia.....	780,302	713,047	883,274	868,911	928,606	686,191	357,352	416,283
Florida.....	398,480	417,438	468,907	427,224	488,624	418,787	381,178	352,897
East South Central.....	1,141,275	880,123	1,255,678	1,239,001	1,325,969	841,684	408,102	528,640
Kentucky.....	91,500	70,500	90,500	93,000	8 113,962	8 105,192	8 55,220	58,272
Tennessee.....	156,336	112,473	150,726	142,745	163,909	119,156	62,956	76,827
Alabama.....	615,364	478,400	681,100	675,450	644,350	419,890	205,400	267,350
Mississippi.....	278,075	218,750	333,350	327,806	403,718	197,886	64,526	104,191
West South Central.....	371,090	253,137	422,930	582,415	485,039	228,396	103,884	118,210
Arkansas.....	126,175	75,487	126,391	156,582	157,643	62,096	17,348	22,140
Louisiana.....	114,347	92,866	143,693	174,278	175,560	94,359	49,376	61,514
Oklahoma.....	1 5,418	1 4,263	8 203	8 9,422	8 6,613	8 7,089	8 2,925	8 1,985
Texas.....	125,150	80,521	144,643	192,133	145,218	64,852	34,185	33,571
Mountain.....	3,553	3,833	4,558	10,272	10,690	13,870	10,021	5,250
Montana.....	2 50	1 90	2 100	4 248	2 250	2 1,000	2 500	2 200
Idaho.....	1 420	2 450	2 500	2 2,091	2 2,100	2 1,000	2 1,500	2 1,000
Wyoming.....	2 150	2 200	2 300	4 358	2 350	2 700	2 650	2 300
Colorado.....	337	607	1 728	4 1,175	1 1,200	1 3,875	1 1,700	1 1,000
New Mexico.....	1,556	1,256	2 1,400	2 2,339	2 2,400	2 1,045	2 621	2 700
Arizona.....	2 500	1 700	1 1,000	4 3,704	1 4,000	1 2,100	2 2,000	1 1,000
Utah.....	1 500	2 500	2 500	4 264	2 300	2 4,000	2 3,000	2 1,000
Nevada.....	2 30	2 30	2 30	4 93	2 90	2 50	2 50	2 50
Pacific.....	114,052	125,788	148,683	164,505	178,489	180,849	145,630	180,789
Washington.....	12,207	14,244	2 15,500	2 21,561	2 21,500	2 17,500	2 9,000	8,500
Oregon.....	2 8,000	2 9,000	1 10,000	4 12,467	1 12,500	1 11,000	1 10,000	1 9,500
California.....	93,845	102,524	121,183	130,477	142,489	132,349	126,530	112,789

¹ Estimated by State authorities² Estimated³ Year ended June 30, except data for 1929⁴ Agricultural census.⁵ Year ended Mar 31, except data for 1929.

Source: The National Fertilizer Association

⁶ Year ended Oct 31⁷ Totals of four companies plus estimates for others⁸ Based on tag sales⁹ Year ended June 30.

No. 540.—FARM MACHINERY AND

Division and State	Telephones		Water piped into dwelling		Water piped into bath-room		Dwellings lighted by electricity		Automobiles		
	Farms reporting	Per cent of all farms	Farms reporting	Per cent of all farms	Farms reporting	Per cent of all farms	Farms reporting	Per cent of all farms	Number	Farms reporting	Per cent of all farms
United States.....	2,139,194	34.0	994,202	15.8	531,248	8.4	841,310	13.4	4,134,675	3,650,003	58.0
New England.....	76,284	61.1	79,815	63.9	32,684	28.2	53,655	42.9	89,287	75,566	60.5
Maine.....	22,189	56.9	19,121	49.0	4,918	12.6	12,920	33.1	26,227	23,015	59.0
New Hampshire.....	9,313	62.5	10,995	73.8	3,857	25.9	6,160	41.3	11,079	9,288	62.3
Vermont.....	15,093	60.6	18,013	72.3	6,185	24.8	7,565	30.4	18,620	15,825	63.6
Massachusetts.....	16,581	64.8	19,083	74.5	10,939	42.7	16,037	62.6	17,638	14,737	57.6
Rhode Island.....	1,742	52.4	1,887	56.8	1,027	30.9	1,910	57.5	2,569	2,055	61.9
Connecticut.....	11,366	66.1	10,716	62.3	5,758	33.5	9,063	52.7	13,154	10,646	61.9
Middle Atlantic.....	161,877	45.3	135,699	37.9	63,766	17.8	114,098	31.9	316,509	254,084	71.1
New York.....	78,185	48.9	59,276	37.1	29,555	18.5	55,019	34.4	141,916	115,010	72.0
New Jersey.....	10,373	40.9	12,359	48.7	8,162	32.2	13,441	53.0	22,371	17,782	70.1
Pennsylvania.....	73,321	42.5	64,064	37.2	26,049	15.1	45,638	26.5	152,222	121,292	70.3
East North Central.....	560,462	58.0	211,272	21.9	92,489	9.6	202,656	21.0	876,687	770,108	79.7
Ohio.....	121,214	55.3	64,104	29.2	24,320	11.1	56,740	25.9	201,552	172,078	77.5
Indiana.....	110,333	60.8	35,451	19.5	14,380	7.9	30,335	16.7	154,556	141,374	78.9
Illinois.....	147,072	68.8	42,391	19.8	23,583	11.0	34,231	16.0	192,873	170,606	79.5
Michigan.....	73,757	43.5	40,872	24.1	15,673	9.3	34,785	20.5	150,922	133,565	78.9
Wisconsin.....	107,486	59.1	28,454	15.7	14,533	8.0	46,565	25.6	176,764	152,455	83.9
West North Central.....	724,545	65.1	180,402	16.2	94,108	8.5	148,969	13.2	1,075,578	920,814	82.8
Minnesota.....	114,693	61.9	23,124	12.5	11,183	6.0	23,342	12.6	155,717	159,372	86.0
Iowa.....	180,876	84.2	51,635	24.0	31,435	14.6	46,402	21.4	240,512	193,810	90.2
Missouri.....	137,712	53.8	21,308	8.3	10,881	4.3	20,223	7.9	176,466	164,087	64.1
North Dakota.....	31,878	40.9	5,844	7.5	2,537	3.3	6,192	7.9	78,798	67,496	86.6
South Dakota.....	44,608	53.6	12,098	14.5	4,657	5.6	9,070	10.9	81,923	71,965	86.5
Nebraska.....	93,888	72.5	38,357	29.6	17,817	13.8	21,380	16.5	141,144	118,860	91.8
Kansas.....	120,890	72.8	28,045	16.9	15,598	9.4	20,720	12.5	171,018	145,224	87.5
South Atlantic.....	117,464	11.1	66,783	6.3	41,354	3.9	64,173	6.1	481,693	445,454	42.1
Delaware.....	2,420	24.9	1,500	15.5	1,033	10.6	1,561	16.1	8,724	7,498	77.2
Maryland.....	11,935	27.6	10,354	24.0	6,173	14.3	9,145	21.2	37,972	30,519	70.6
Dist. of Col.....	69	66.3	43	46.2	43	41.3	67	64.4	60	45	43.3
Virginia.....	30,418	17.8	15,291	9.0	10,032	5.9	13,009	7.6	88,403	80,296	47.1
West Virginia.....	28,117	34.0	9,350	11.7	3,848	4.7	5,330	6.4	36,978	33,434	40.5
North Carolina.....	19,852	7.1	9,308	3.3	5,351	1.9	15,006	5.4	132,876	125,196	44.8
South Carolina.....	6,357	4.0	5,176	3.3	3,757	2.4	6,067	3.8	61,754	59,029	37.4
Georgia.....	14,771	5.8	7,877	3.1	4,959	1.9	7,499	2.9	88,479	85,276	33.4
Florida.....	3,525	6.0	7,559	12.8	6,158	10.4	6,489	11.0	26,387	24,161	41.0
East South Central.....	142,204	13.4	27,171	2.8	17,316	1.6	31,952	3.0	335,003	320,640	30.2
Kentucky.....	61,631	25.0	8,378	3.4	5,128	2.1	10,691	4.3	86,784	82,034	33.3
Tennessee.....	45,205	13.4	3,018	3.3	4,903	2.0	10,010	4.1	89,022	84,067	34.2
Alabama.....	19,510	7.6	5,182	2.0	3,194	1.2	6,459	2.5	73,634	71,167	27.6
Mississippi.....	13,858	5.1	5,593	1.8	4,091	1.3	4,792	1.5	55,563	53,372	26.7
West South Central.....	181,647	16.5	88,378	8.0	50,281	4.6	40,940	3.6	536,641	503,548	45.6
Arkansas.....	25,046	10.3	3,690	1.5	2,392	1.0	5,121	2.1	65,935	63,800	26.3
Louisiana.....	6,106	3.8	4,964	3.1	3,841	2.4	4,174	2.6	43,082	41,453	25.7
Oklahoma.....	53,149	26.1	10,820	5.3	6,521	3.2	8,091	4.0	127,448	117,537	57.7
Texas.....	97,346	19.6	68,902	13.9	37,527	7.6	22,554	4.6	300,176	280,758	56.7
Mountain.....	68,217	28.3	48,324	20.0	26,303	10.9	49,173	20.4	183,020	163,303	67.7
Montana.....	9,697	20.4	5,382	11.3	2,608	5.5	3,547	7.5	38,166	34,477	72.6
Idaho.....	15,733	37.8	9,970	23.9	5,227	12.5	12,809	30.7	33,966	30,776	73.8
Wyoming.....	4,483	28.0	1,995	12.5	982	6.1	1,145	7.2	12,824	11,462	71.6
Colorado.....	23,877	39.8	12,314	20.5	6,183	10.3	9,393	15.7	52,258	45,546	76.0
New Mexico.....	2,879	9.2	2,804	8.9	1,626	5.2	1,691	5.4	15,395	14,091	44.9
Arizona.....	2,672	18.9	4,083	28.8	2,772	19.6	3,671	25.9	9,916	8,211	57.9
Utah.....	7,416	27.3	10,561	38.9	6,157	22.7	15,778	58.1	17,574	16,343	60.2
Nevada.....	1,460	42.4	1,215	35.3	748	22.7	1,139	33.1	2,921	2,397	69.6
Pacific.....	106,492	40.7	156,380	59.7	112,947	43.2	138,394	52.9	240,277	196,486	75.1
Washington.....	31,764	44.8	34,476	48.6	20,726	29.2	34,056	48.0	55,995	50,769	71.6
Oregon.....	26,557	48.2	24,265	44.0	15,217	27.6	18,397	33.4	47,440	41,511	75.3
California.....	48,171	35.5	97,639	72.0	77,004	56.8	85,941	63.3	136,842	104,206	76.8

Source. Bureau of the Census, Department of Commerce.

FACILITIES: By States, 1930

Motor trucks			Tractors			Electric motors for farm work			Stationary gas engines			Division and State
Number	Farms reporting	Per cent of all farms	Number	Farms reporting	Per cent of all farms	Number	Farms reporting	Per cent of all farms	Number	Farms reporting	Per cent of all farms	
900,385	845,335	13.4	920,021	851,457	13.5	386,131	256,663	4.1	1,131,108	945,000	15.0	U. S.
37,872	33,328	28.7	14,109	13,111	10.5	23,708	14,792	11.8	34,481	27,828	22.3	N. E.
10,781	9,879	25.3	3,410	3,214	8.2	5,575	3,447	8.8	8,342	7,005	18.0	Me.
4,539	4,051	27.2	1,096	1,013	6.8	2,416	1,561	10.5	3,725	3,020	20.3	N. H.
5,035	4,625	18.6	2,426	2,342	9.4	3,645	2,358	9.5	10,962	8,437	33.9	Vt.
9,572	7,982	31.2	3,921	3,563	13.9	6,846	4,266	16.7	5,283	4,328	16.9	Mass.
1,701	1,366	41.1	2,589	516	15.5	1,181	646	19.4	707	544	16.4	R. I.
6,344	5,425	31.5	2,667	2,463	14.3	4,043	2,514	14.6	5,462	4,494	26.1	Conn.
120,789	109,756	30.7	81,970	76,719	21.5	48,682	32,311	9.0	131,099	103,864	29.0	M. A.
58,974	54,084	33.8	40,369	37,790	23.6	24,342	16,102	10.0	64,723	50,094	31.3	N. Y.
14,753	12,504	49.3	8,088	7,241	28.5	5,879	4,102	16.2	9,036	6,963	27.4	N. J.
47,002	43,168	25.0	33,513	31,688	18.4	18,461	12,197	7.1	57,340	46,807	27.1	Pa.
198,172	189,040	19.6	249,333	238,995	24.7	96,552	65,344	6.8	334,688	281,878	29.2	E. N. C.
39,210	36,693	16.7	52,974	50,693	23.1	21,278	14,000	6.4	52,508	45,108	20.6	Ohio
30,037	28,468	15.7	41,979	40,402	22.3	11,030	7,795	4.3	39,380	35,192	19.4	Ind.
40,371	38,877	18.1	69,628	66,172	30.8	15,557	10,452	4.9	79,300	66,640	31.1	Ill.
36,768	34,894	20.6	34,579	33,098	19.5	14,892	10,285	6.1	55,366	46,574	27.5	Mich.
51,786	50,182	27.6	50,173	48,630	26.8	33,795	22,812	12.6	108,134	88,364	48.6	Wis.
180,857	174,784	15.7	318,160	295,160	26.5	78,008	49,972	4.5	422,474	356,995	32.1	W. N. C.
36,557	35,503	19.2	48,457	46,171	24.9	19,926	11,721	6.3	112,376	93,382	50.4	Minn.
32,669	31,874	14.8	66,258	63,166	29.4	27,801	17,277	8.0	114,977	94,772	44.1	Iowa.
20,132	19,215	7.5	24,999	23,673	9.2	4,949	3,580	1.4	31,718	27,477	10.7	Mo.
16,990	16,502	21.2	37,605	34,148	43.8	4,878	3,203	4.1	44,165	35,226	45.7	N. D.
14,816	14,485	17.4	33,837	30,972	37.2	4,686	3,283	3.9	34,475	29,765	35.8	S. D.
26,045	25,176	19.4	40,729	37,855	29.3	8,303	5,807	4.5	45,902	41,945	32.4	Nebr.
33,648	32,009	19.3	66,275	59,075	35.6	7,463	5,101	3.1	38,861	34,428	20.7	Kans.
94,946	88,019	8.3	47,376	43,983	4.2	16,093	11,209	1.1	42,900	36,955	3.5	S. A.
2,996	2,781	28.6	1,600	1,447	14.9	513	384	4.0	1,783	1,453	15.0	Del.
11,284	10,205	23.6	7,208	6,744	15.6	3,669	2,557	5.9	9,330	7,832	18.1	Md.
81	57	54.8	17	15	14.4	8	7	6.7	10	8	7.7	D. C.
19,459	17,964	10.6	9,757	9,142	5.4	3,632	2,427	1.4	10,298	8,959	5.3	Va.
7,432	6,936	8.4	2,792	2,641	3.2	1,269	884	1.1	4,814	3,705	4.6	W. Va.
18,558	17,613	6.3	11,426	11,034	3.9	2,320	1,633	.6	4,981	4,547	1.6	N. C.
6,966	6,575	4.2	3,462	3,229	2.0	945	787	.5	2,677	2,358	1.5	S. C.
15,967	15,036	6.9	5,870	5,349	2.1	1,246	968	.4	5,000	4,130	1.6	Ga.
12,203	10,852	18.4	5,244	4,382	7.4	2,481	1,592	2.7	4,502	3,603	6.1	Fla.
45,568	43,294	4.1	24,393	22,584	2.1	4,691	3,509	.3	14,892	13,264	1.3	E. S. C.
7,188	6,740	2.7	7,322	6,951	2.8	1,454	1,121	.5	5,326	4,821	2.0	Ky.
9,039	8,563	3.5	6,865	6,556	2.7	1,603	1,216	.5	4,895	4,382	1.8	Tenn.
12,838	12,169	4.7	4,604	4,259	1.7	972	678	.3	2,485	2,154	.8	Ala.
16,503	15,762	5.0	5,542	4,818	1.5	632	494	.2	2,186	1,927	.6	Miss.
96,791	92,300	8.4	74,010	63,177	5.7	9,862	7,305	.7	35,706	30,671	2.8	W. S. C.
11,000	10,526	4.4	5,684	4,263	1.8	1,460	1,056	.4	4,730	3,911	1.6	Ark.
9,281	8,769	5.6	5,016	3,810	2.4	633	510	.3	2,639	2,072	1.3	La.
23,930	23,039	11.3	25,962	23,328	11.4	2,418	1,688	.8	9,363	8,499	4.2	Okl.
52,580	49,966	10.1	37,348	31,776	6.4	5,351	4,051	.8	18,974	16,189	3.3	Tex.
55,742	52,488	21.8	48,007	43,171	17.9	17,551	11,751	4.9	46,133	38,671	16.0	Mt.
14,615	13,783	29.0	19,031	17,093	36.0	1,708	1,088	2.3	13,639	11,588	24.4	Mont.
6,281	5,986	14.4	4,691	4,377	10.5	6,713	4,406	10.6	10,024	8,252	19.8	Idaho.
4,108	3,820	23.9	4,110	3,749	23.4	481	315	2.0	3,424	2,929	18.3	Wy.
16,918	16,052	26.8	13,334	12,029	20.1	3,299	2,289	3.8	11,470	9,970	16.6	Colo.
5,328	5,024	16.0	2,497	2,227	7.1	580	393	1.3	2,018	1,567	5.0	N. M.
3,062	2,719	19.2	2,558	2,043	14.4	2,054	1,427	10.1	3,095	2,357	16.6	Ariz.
4,189	3,986	14.7	1,426	1,335	4.9	1,756	1,269	4.7	1,236	1,111	4.1	Utah.
1,241	1,118	32.5	360	318	9.2	960	564	16.4	1,227	897	26.1	Nev.
69,548	62,406	23.8	62,663	54,567	20.8	91,058	60,470	23.1	68,735	55,214	21.1	Pac.
18,836	17,622	24.9	8,388	7,890	11.1	15,788	10,751	15.2	18,762	15,373	21.7	Wash.
9,741	9,110	16.5	9,838	9,157	16.6	9,010	6,043	11.0	17,189	13,633	24.7	Oreg.
40,971	35,674	26.3	44,437	37,510	27.6	66,260	43,676	32.2	32,784	26,208	19.3	Calif.

No. 541.—COOPERATIVE MARKETING AND PURCHASING THROUGH FARMERS' ORGANIZATIONS: BY STATES, 1924 AND 1929

NOTE.—For total number of all farms (base for percentages) see Table 518

Division and State	Number of farms reporting sales			Number of farms reporting purchases			Value of farm products sold		Value of supplies purchased	
	1924	1929	Per cent of all farms, 1929	1924	1929	Per cent of all farms, 1929	1924	1929	1924	1929
							Thousands of dollars			
United States.....	884,207	691,895	11 0	362,745	410,914	6 5	658,284	892,481	75,971	125,049
New England.....	10,845	9,170	7 3	10,787	10,897	8 7	20,745	21,068	5,709	8,802
Maine.....	2,555	755	1 9	1,896	1,674	4 3	3,823	872	626	928
New Hampshire.....	428	461	3 1	1,701	1,647	11 0	375	676	911	1,113
Vermont.....	2,745	4,304	17 3	3,186	2,632	10 6	3,876	6,807	1,485	1,513
Massachusetts.....	2,091	1,448	5 7	2,278	2,891	11 3	4,145	4,988	1,462	2,645
Rhode Island.....	235	140	4 2	213	148	4 5	571	308	123	172
Connecticut.....	2,791	2,062	12 0	1,513	1,905	11 1	7,955	7,417	1,102	2,631
Middle Atlantic.....	39,295	41,068	11 5	24,716	30,856	8 6	50,274	72,187	7,377	16,871
New York.....	26,586	28,015	17 5	12,509	19,933	12 5	37,945	52,623	3,928	11,408
New Jersey.....	1,401	1,750	6 9	1,606	1,899	7 5	2,309	5,272	957	1,785
Pennsylvania.....	11,308	11,303	6 6	10,601	9,024	5 2	10,020	14,272	2,492	3,678
East North Central.....	305,409	170,992	17 7	103,199	115,368	11 9	145,068	150,949	15,688	24,449
Ohio.....	39,995	31,067	14 2	24,711	26,736	12 2	27,991	26,103	3,590	6,168
Indiana.....	28,550	20,461	11 3	14,558	18,742	10 8	17,213	10,687	1,774	3,484
Illinois.....	52,006	41,857	19 5	17,471	16,861	7 9	52,823	48,934	2,979	3,826
Michigan.....	38,730	31,331	18 5	25,124	28,721	17 0	19,562	16,581	3,607	5,797
Wisconsin.....	45,528	46,276	25 5	21,335	24,308	13 4	27,484	42,544	3,788	5,184
West North Central.....	303,190	290,199	26 1	140,588	159,988	14 4	292,354	310,334	25,740	33,572
Minnesota.....	79,891	95,639	51 6	26,066	39,561	21 4	73,261	105,966	3,544	6,414
Iowa.....	72,639	58,970	27 4	34,034	33,183	15 4	81,290	74,635	6,581	7,462
Missouri.....	60,860	47,442	18 5	33,343	31,982	12 5	32,574	29,448	4,587	6,506
North Dakota.....	12,913	20,382	26 1	5,527	11,085	14 2	17,032	20,831	1,363	1,622
South Dakota.....	17,769	18,141	21 8	8,835	11,176	13 4	18,651	16,409	1,451	2,079
Nebraska.....	28,139	23,397	18 1	15,461	15,098	11 7	32,741	26,649	3,715	4,442
Kansas.....	30,979	26,228	15 8	17,322	17,903	10 8	36,805	36,396	4,199	5,047
South Atlantic.....	90,879	38,662	2 7	20,830	15,866	1 5	73,377	41,802	4,968	6,611
Delaware.....	193	64	7	415	186	1 9	122	86	136	139
Maryland.....	6,121	4,533	10 5	3,817	3,383	7 8	7,298	6,925	910	1,178
Virginia.....	27,560	4,394	2 6	5,768	3,947	2 3	20,912	8,792	1,256	1,475
West Virginia.....	3,106	1,652	2 0	2,769	2,268	2 7	919	1,207	320	389
North Carolina.....	22,167	4,606	1 6	2,791	2,158	8	13,018	2,907	450	483
South Carolina.....	10,601	2,469	1 6	819	555	4	8,922	3,856	335	718
Georgia.....	13,376	5,142	2 0	2,388	1,724	7	9,082	3,660	304	400
Florida.....	7,755	5,802	9 8	2,063	1,645	2 8	13,104	14,399	1,267	1,829
East South Central.....	91,073	19,670	1 9	21,293	15,948	1 5	49,927	13,603	2,691	2,526
Kentucky.....	53,704	4,793	1 9	3,308	1,260	5	27,515	2,736	504	276
Tennessee.....	15,303	3,552	1 4	4,490	2,872	1 2	7,182	1,382	445	352
Alabama.....	11,365	7,270	2 8	7,640	7,682	3 0	7,029	3,864	1,021	1,360
Mississippi.....	10,701	4,055	1 3	5,855	4,134	1 3	8,101	5,621	721	508
West South Central.....	67,715	42,292	3 8	17,720	18,421	1 7	75,724	48,177	2,703	3,882
Arkansas.....	8,861	4,651	1 9	3,910	2,519	1 0	7,119	3,154	460	358
Louisiana.....	10,114	7,467	4 6	4,393	6,929	4 3	8,604	7,075	782	1,366
Oklahoma.....	19,049	21,715	10 7	4,878	5,273	2 6	20,854	23,489	687	950
Texas.....	20,691	8,459	1 7	4,539	3,700	7	39,147	14,459	794	1,208
Mountain.....	24,581	28,347	11 7	8,000	12,298	5 1	35,044	36,703	1,710	3,573
Montana.....	2,599	5,574	11 7	708	3,034	6 4	3,081	6,730	135	822
Idaho.....	3,272	7,031	16 9	1,040	2,174	5 2	2,712	7,711	144	447
Wyoming.....	1,231	2,145	13 4	512	581	3 6	1,009	2,466	226	218
Colorado.....	10,828	6,783	11 3	3,703	3,339	5 6	21,090	8,400	883	804
New Mexico.....	2,014	1,443	4 6	829	569	1 8	3,254	2,531	139	171
Arizona.....	523	639	4 5	222	182	1 3	1,514	2,953	65	95
Utah.....	3,775	4,193	15 4	974	2,284	8 4	2,368	4,264	116	980
Nevada.....	39	539	15 7	12	135	3 9	16	1,648	2	36
Pacific.....	51,290	61,495	23 5	15,612	31,272	11 9	115,871	197,778	9,385	24,783
Washington.....	13,205	16,737	23 6	6,500	11,885	16 8	20,564	33,338	3,470	9,006
Oregon.....	5,590	8,638	15 7	2,858	4,502	8 2	8,062	11,367	1,160	1,445
California.....	32,425	36,120	26 6	6,254	14,885	11 0	87,245	153,073	4,755	14,312

Source Bureau of the Census, Department of Commerce.

No. 542.—FARMERS' BUSINESS ASSOCIATIONS: ASSOCIATIONS, AND ESTIMATED MEMBERSHIP AND BUSINESS, BY STATES AND COMMODITY GROUPS

NOTE.—Business in thousands of dollars. Estimates are based on reports received from association officers. Membership includes shareholders, contract members, shippers, consignors, and patrons. Business includes the f. o. b. value at shipping point of farm products sold by the associations, the sales value of farm supplies sold to members, and the revenue derived by associations rendering services such as ginning cotton, warehousing tobacco, storing wheat, etc.

Division and State	Associations listed			Estimated membership			Estimated business		
	1925	1932	1933	1925	1932	1933	1924-25	1931-32	1932-33
United States.....	10,903	11,900	11,000	2,700,000	3,200,000	3,000,000	2,400,000	1,925,000	1,340,000
New England.....	259	203	214	75,000	85,340	94,430	85,170	77,108	55,780
Maine.....	82	48	50	14,400	6,370	6,590	12,460	2,747	2,760
New Hampshire.....	14	13	13	2,600	2,530	1,380	3,230	2,620	2,490
Vermont.....	61	47	48	8,200	8,140	7,380	11,040	10,140	8,910
Massachusetts.....	48	47	52	39,200	61,100	70,780	39,130	47,991	31,260
Rhode Island.....	7	5	6	400	380	420	1,300	460	550
Connecticut.....	47	43	45	10,200	6,820	7,580	18,010	13,150	9,790
Middle Atlantic.....	522	482	457	180,000	207,190	225,650	153,080	203,800	153,855
New York.....	286	258	239	100,000	131,570	154,390	103,760	147,010	114,290
New Jersey.....	20	54	50	6,000	14,270	15,160	5,930	7,900	5,680
Pennsylvania.....	216	170	168	54,000	61,350	50,100	43,390	48,890	33,680
East North Central.....	3,075	3,276	2,971	575,000	821,830	831,430	558,270	422,259	317,110
Ohio.....	395	354	342	115,300	149,070	146,670	107,340	72,695	55,030
Indiana.....	330	315	282	80,300	124,060	140,540	60,440	44,095	31,430
Illinois.....	822	954	839	131,000	242,850	245,200	195,210	151,946	121,480
Michigan.....	436	393	358	128,300	133,000	137,800	82,200	61,358	42,210
Wisconsin.....	1,062	1,260	1,150	120,100	172,950	161,180	113,080	92,165	66,060
West North Central.....	4,825	5,238	4,817	850,000	1,219,350	1,072,350	836,630	595,498	372,030
Minnesota.....	1,383	1,539	1,448	217,400	328,410	312,480	223,980	155,160	109,170
Iowa.....	1,094	1,150	1,050	179,800	271,480	243,700	172,710	150,177	89,500
Missouri.....	537	623	556	170,600	188,190	156,390	83,490	79,709	45,850
North Dakota.....	460	545	518	60,300	75,310	68,480	91,280	32,603	25,440
South Dakota.....	397	376	321	65,000	92,430	80,320	74,080	38,062	25,300
Nebraska.....	488	533	488	74,100	173,090	139,410	91,930	73,415	37,740
Kansas.....	466	472	436	82,800	89,910	71,570	99,160	66,470	39,030
South Atlantic.....	385	479	455	280,000	184,780	158,575	152,325	94,549	66,970
Delaware.....	12	4	4	1,200	100	100	360	50	40
Maryland.....	16	47	44	12,600	19,090	22,090	12,200	17,217	13,680
Dist. of Columbia.....	1	1	2	1,000	1,200	1,310	2,300	6,640	5,690
Virginia.....	96	79	74	25,700	38,440	36,550	21,615	15,437	11,310
West Virginia.....	42	46	45	6,100	17,930	16,985	2,820	8,230	3,170
North Carolina.....	50	80	71	139,900	27,190	35,550	43,380	7,590	4,390
South Carolina.....	18	21	19	16,600	12,250	12,720	18,130	6,283	4,100
Georgia.....	46	61	59	67,900	25,460	21,870	16,210	4,272	2,910
Florida.....	104	140	137	9,000	12,630	10,800	34,710	28,830	21,680
East South Central.....	277	311	275	295,000	194,020	164,880	117,270	58,849	30,570
Kentucky.....	56	56	48	194,700	30,330	24,940	58,650	8,191	5,440
Tennessee.....	111	108	98	32,600	56,460	60,000	9,560	15,797	9,650
Alabama.....	63	84	76	38,300	58,090	43,360	16,940	9,001	5,090
Mississippi.....	47	63	53	29,400	49,140	36,580	32,120	25,360	10,390
West South Central.....	454	601	568	250,000	216,790	176,220	128,630	87,356	57,210
Arkansas.....	101	108	86	54,500	11,910	8,900	17,935	3,382	3,220
Louisiana.....	38	42	37	25,800	29,670	26,000	13,340	18,813	10,970
Oklahoma.....	143	242	229	92,200	91,560	64,920	46,550	24,590	15,590
Texas.....	172	209	216	77,500	83,650	76,400	50,805	40,571	27,430
Mountain.....	363	490	467	75,000	123,190	111,955	70,850	85,790	54,930
Montana.....	102	145	151	21,200	28,430	22,090	19,690	13,564	8,710
Idaho.....	59	78	74	11,200	28,860	24,500	13,250	14,163	9,720
Wyoming.....	18	33	29	2,300	6,670	5,620	2,520	3,200	1,990
Colorado.....	101	138	121	21,200	36,390	34,350	23,600	33,110	19,950
New Mexico.....	20	25	19	2,500	4,050	2,780	2,160	2,368	1,580
Arizona.....	20	17	17	2,600	3,340	2,610	5,240	3,065	1,660
Utah.....	41	46	47	13,800	19,880	19,200	4,410	15,510	10,940
Nevada.....	2	8	9	200	570	805	80	810	380
Pacific.....	643	820	776	140,000	172,510	164,510	297,675	300,293	231,770
Washington.....	172	199	193	31,700	53,440	48,270	52,060	57,348	50,330
Oregon.....	121	187	160	17,100	31,480	32,940	21,655	27,414	19,840
California.....	350	464	423	91,200	87,590	83,300	223,960	215,531	161,600
Commodity groups.....									
Cotton and products.....	121	267	274	300,000	240,000	200,000	150,000	69,000	42,000
Dairy products.....	2,197	2,392	2,293	460,000	740,000	724,000	535,000	520,000	390,000
Fruits and vegetables.....	1,237	1,347	1,268	180,000	180,000	170,000	280,000	283,000	200,000
Grain ¹	3,338	3,500	3,131	520,000	705,000	600,000	750,000	450,000	280,000
Livestock.....	1,770	1,885	1,575	400,000	450,000	440,000	320,000	260,000	182,000
Poultry products.....	71	172	154	50,000	88,000	78,000	40,000	72,000	53,000
Tobacco.....	24	21	20	300,000	54,000	60,000	90,000	10,000	6,500
Wool and mohair.....	91	134	115	50,000	62,000	62,000	10,000	21,000	9,000
All others.....	1,954	2,182	2,170	440,000	681,000	666,000	225,000	240,000	177,500

¹ Includes dry beans and rice.

Source: Farm Credit Administration.

26.—FARM PRODUCTS—PRODUCTION, VALUE, PRICES, ETC., AND FOREIGN TRADE

[Data in this section relate to continental United States except foreign trade statistics, which represent the trade of the "customs area" (see headnote, Table 484)]

No. 543.—INDEXES OF THE VOLUME OF NET AGRICULTURAL PRODUCTION

NOTE.—1919-1927=100. Indexes are based on estimates of production for sale and for consumption in the farm home. Production fed to livestock or used for seed is not included. Calendar-year production of livestock and livestock products are here compared with crop production of the same year. Commodities included in the index contribute about 90 per cent of the gross income from agricultural production.

Year	Total	Grains	Fruits and vegetables	Truck crops	Meat animals	Dairy products	Poultry products	Cotton and cottonseed
1919.....	91	101	82	71	96	81	85	91
1920.....	97	116	102	86	92	80	84	105
1921.....	87	100	76	74	91	91	95	64
1922.....	96	100	109	101	97	95	98	77
1923.....	101	97	108	99	107	103	107	80
1924.....	106	100	106	111	108	109	100	103
1925.....	106	95	98	115	102	110	104	128
1926.....	111	93	116	114	103	114	111	143
1927.....	106	97	104	129	103	116	116	103
1928.....	111	106	122	124	106	119	112	114
1929.....	109	87	102	141	105	122	116	118
1930.....	107	77	113	141	101	123	119	110
1931.....	112	80	119	132	103	126	119	134
1932.....	104	76	106	137	104	125	116	104
1933 (preliminary).....	100	56	106	134	109	126	118	103

No. 544.—ESTIMATED GROSS INCOME FROM FARM PRODUCTION

NOTE.—In millions of dollars. For explanation of gross income see headnote, Table 546. Data for 1924 to 1933 are based on State totals (shown for 1930 to 1933 in Table 547) adjusted to exclude interstate sales of seeds for planting and to include estimates of income from poultry other than chickens not estimated by States. Figures for 1929 to 1933 are based on production data revised according to the Census of 1929. Estimates for 1924 to 1928 are still subject to revision. "Livestock" includes livestock products.

Year	Total	Crops	Livestock	Year	Total	Crops	Livestock
1909.....	6,238	3,314	2,925	1922.....	9,944	5,350	4,594
1910.....	6,643	3,517	3,126	1923.....	11,041	5,969	5,072
1911.....	6,372	3,536	2,836	1924.....	11,337	6,170	5,167
1912.....	6,784	3,688	3,096	1925.....	11,968	6,147	5,820
1913.....	6,975	3,647	3,328	1926.....	11,480	5,468	6,012
1914.....	7,028	3,700	3,328	1927.....	11,616	5,817	5,799
1915.....	7,395	3,985	3,410	1928.....	11,741	5,675	6,066
1916.....	8,914	4,968	3,947	1929.....	11,941	5,434	6,507
1917.....	12,832	7,431	5,401	1930.....	9,454	3,818	5,636
1918.....	15,101	8,119	6,982	1931.....	6,968	2,746	4,222
1919.....	16,935	9,431	7,504	1932.....	5,331	2,288	3,043
1920.....	13,566	6,862	6,704	1933 (preliminary).....	16,256	2,874	3,111
1921.....	8,927	4,488	4,440				

¹ Includes \$271,000,000 rental and benefit payments from the Agricultural Adjustment Administration.

No. 545.—ESTIMATED GROSS INCOME FROM FARM PRODUCTION. BY GROUPS OF COMMODITIES

[In millions of dollars. See headnote, Table 544]

Source of income	1929	1930	1931	1932	1933
Grand total.....	11,941	9,454	6,968	5,331	15,985
Crops, total.....	5,434	3,818	2,746	2,288	12,874
Grains.....	1,297	806	488	450	506
Fruits and nuts.....	707	567	457	325	376
Vegetables.....	1,130	934	726	609	747
Sugar crops.....	83	94	69	69	81
Cotton and cottonseed.....	1,389	751	528	464	684
Tobacco.....	286	212	130	107	179
Other crops.....	542	454	348	264	301
Livestock and livestock products, total.....	6,507	5,636	4,222	3,043	3,111
Cattle and calves.....	1,111	951	681	499	489
Hogs.....	1,531	1,361	930	548	2,619
Sheep and wool.....	262	204	158	106	153
Poultry and eggs.....	1,241	1,059	816	609	560
Dairy products.....	2,323	2,031	1,614	1,260	1,263
Other.....	39	30	23	21	27

¹ Excludes rental and benefit payments

See note 3, Table 546. ² See note 4, Table 546.

Source of Tables 543, 544, and 545: Bureau of Agricultural Economics, Department of Agriculture

No. 546.—ESTIMATED FARM VALUE OF PRODUCTS, GROSS INCOME, AND CASH INCOME; By Commodities

NOTE.—Farm values of crops and animal products are obtained by multiplying State quantities by State average prices. Prices used in most cases are weighted averages—for animal products, calendar-year averages; for crops, averages for the period during which the crop is marketed. (Gross income represents value of farm production sold plus value of production retained for use in the farm home, excluding, in the case of crops, amounts retained for feed and seed and amounts unfit for sale and consumption. Cash income excludes products used in the farm home.)

[All figures in millions and tenths of millions of dollars]

Product	Farm value			Gross income			Cash income		
	1931	1932	1933	1931	1932	1933	1931	1932	1933
Grand total ¹				6,959 0	5,324 4	5,971 2	5,795 1	4,366. 4	4,981 8
All crops.....	4,573 9	3,967 5	4,783 0	2,748 5	2,290 8	2,276 9	2,334 1	1,913. 8	2,448 3
Corn.....	830 7	925 3	946 0	138 1	170 5	138 6	125 7	156 1	120. 6
Wheat.....	35.3	282 3	385 4	261 6	202 1	* 280 0	254. 1	194 8	* 267 2
Oats.....	240 0	195 3	229 7	42 7	34 8	32 9	42 7	34 8	32 9
Barley.....	64 6	66 4	65 1	12 3	16 9	15 1	12 3	16 9	15 1
Rye.....	10 9	11 2	12 6	3 9	4 1	4 3	3 7	4 0	4 1
Buckwheat.....	3 8	2 9	4 3	2 8	2 0	2 9	2 4	1 6	2 4
Rice.....	22 2	16 9	27 8	21 2	16 2	26 4	21 2	16 1	26 4
Grain sorghums.....	27 0	20 3	35 8	4 1	2 6	5 0	4 1	2 6	5 0
Other grains.....	2 3	1 6	1 3	1 0	7	4	1 0	. 7	4
Flaxseed.....	13 8	10 3	10 8	12 2	9 4	9 4	12 2	9 4	9 4
Cotton lint.....	483 7	424 0	633 3	483 7	424 0	* 633 3	483 7	424 0	* 633 3
Cottonseed.....	72 4	59 9	83 7	44 8	40 3	50 9	44 8	40 3	50 9
Tobacco.....	129 7	107 1	179 1	129 7	107 1	* 179 1	129 7	107 1	* 179 1
Hay.....	639 9	507 8	562 2	75 0	53 1	60 3	75 0	53 1	60 3
Sweet sorghum forage.....	20 3	15 6	24 8	1 7	1 3	2 3	1 7	1 3	2 3
Cloverseed.....	8 1	8 5	8 1	6 5	7 3	6 7	6 5	7 3	6 7
Alfalfa seed.....	6 2	3 0	5 2	5 7	2 7	4 8	5 7	2 7	4 8
Other grass seeds.....	8 1	4 5	6 8	7 2	4 0	6 1	7 2	4 0	6 1
Dry edible beans.....	25 8	20 0	32 4	24 3	18 2	29 7	24 1	18 0	29 4
Soybeans.....	11 9	10 7	11 7	5 1	4 9	4 9	5 1	4 9	4 3
Cowpeas.....	6 3	9 2	8 8	3 6	3 1	3 3	3 3	2 8	2 9
Peanuts.....	32 5	22 1	35 1	19 1	13 5	20 8	18 4	12 9	20 0
Potatoes.....	173 2	138 5	263 4	145 6	114 2	222 9	106 4	79 4	164 8
Sweetpotatoes.....	45 7	42 2	43 7	40 1	35 1	38 5	24 3	23 4	24 7
Truck crops.....	292 8	222 5	225 4	292 8	222 5	225 4	281. 1	213 9	216 3
Hops.....	3 6	4 2	11 1	3 6	4 2	11 1	3 6	4 2	11 1
Apples.....	131 9	86. 6	103 9	125 9	86 6	103 9	102 7	72 6	86 8
Peaches.....	40 8	18 9	32 4	40 8	18 9	32 4	32 9	14 7	25 8
Pears.....	13 7	7 6	10 3	13 7	7 6	10 3	11 0	6 1	8 3
Cherries.....	8 0	5 2	6 6	8 0	5 2	6 6	6 7	4 3	5 7
Plums and apricots.....	4 5	2 8	4 4	4 5	2 8	4 4	2 8	1 7	2 8
Grapes.....	36 1	27 0	33 8	36 1	27 0	33 8	33 2	25 1	31 8
Strawberries.....	47 3	32 4	27 7	47 3	32 4	27 7	46 1	31 6	27 0
Small fruits.....	16 2	11 4	9 2	16 2	11 4	9 2	15 1	10 7	8 6
Cranberries.....	6 2	4 0	3 8	4 0	4 0	3 8	4 0	4 0	3 8
Pecans.....	6 2	3 0	4 7	6 2	3 0	4 7	5 1	2 4	3 9
Other fruits and nuts.....	135 3	112 5	118 6	135 0	112 4	118 4	134 2	111 8	117 7
Sugar beets for sugar.....	46 9	47 7	58 7	46 9	47 7	58 7	46 9	47 7	58 7
Sugarcane and sirup.....	15 0	16 3	18 3	12 5	13 7	15 1	10 0	10 9	11 5
Sorghum sirup.....	7 7	5 8	7 2	5 8	3 9	4 0	1 9	1 3	1 7
Maple sugar and sirup.....	4 2	4 0	2 8	4 2	4 0	2 8	3 6	3 6	2 5
Forest products.....	177 0	157. 4	170 2	120 4	105. 4	114 9	63. 8	53. 5	59 6
Farm gardens.....	219 4	214 7	219 1	219 4	214 7	219 1			
Nursery products.....	44 9	30 9	36 3	44 9	30 9	36 3	44 9	30 9	36 3
Greenhouse products.....	67 2	43 0	52 0	67 2	43 0	52 0	67 2	43 0	52 0
Other crops.....	5 8	4 2	8 6	2 1	1 4	3 4	2 1	1 4	3 4
Livestock and livestock products.....	4,368 1	3,184 1	3,185. 1	4,210 4	3,033 6	3,094. 4	3,461. 0	2,452 6	2,533. 5
Cattle and calves.....	727 9	571 4	533 4	680 6	498 6	489 2	663 7	482 6	473. 8
Hogs.....	959 7	554 5	* 587 8	930 0	548 4	* 618 6	767. 3	439 5	* 511 4
Sheep and lambs.....	106 9	73 8	83 4	108 0	76 0	78 3	106 2	74 5	76 5
Horses.....	25 9	25 2	32 8	8 3	7 8	7 9	8 3	7 8	7 9
Mules.....	7 6	6 0	6 6	3 5	3 5	6 3	3 5	3 6	6 3
Chickens.....	320 9	244 9	205 2	325 8	240 8	206 9	217 1	157 7	135. 6
Eggs (chicken).....	496 4	373 8	359 5	478. 4	359 0	344 8	357 9	265 2	253. 4
Milk.....	1,661 3	1,294 6	1,296. 6	1,614 4	1,260 4	1,262 6	1,278 5	985 1	988 9
Wool and mohair.....	53 6	31 5	79 8	53 6	31 5	79 8	53 6	31 5	79 8
Honey.....	8 0	7 5	(²)	8 0	7 5	(²)	4 9	5 0	(²)

¹ For United States totals adjusted for interstate duplications, see Table 545, p. 570.

² Grand total cash income including benefit payments amounted to \$5,252,900,000.

³ Excluding benefit payments as follows: Wheat, \$86,000,000; cotton, \$166,500,000; tobacco, \$6,200,000.

⁴ Includes value of hogs slaughtered under Agricultural Adjustment Administration reduction plan.

⁵ No estimate for 1933.

NO. 547.—ESTIMATED GROSS AND CASH INCOME FROM FARM PRODUCTION: By States

[In millions and tenths of millions of dollars See headnote Table 546]

Division and State	Gross income						Cash income						Rental and benefit payments, 1933	Cash income, benefit payments, and A A slaughter, 1933
	Crops and livestock combined			1933			Crops and livestock combined			1933				
	1931	1932	1933 ¹	Crops ¹	Livestock and products ²		1931	1932	1933 ¹	Crops ¹	Livestock and products ²			
United States ³	6,959 0	5,324 4	5,971 2	2,876 9	3,094 4	5,795 1	4,366 4	4,981 8	2,443 3	2,533 5	271 0	5,252 9		
New England.....	230 1	187 5	203 8	92 9	115 4	200 9	161 4	181 1	78 5	102 6	4	181 5		
Maine.....	48 4	40 6	56 0	35 7	20 3	39 7	32 7	47 9	31 3	16 6	-----	47 9		
N. H.....	21 4	17 6	17 8	5 6	12 2	18 3	14 8	14 9	4 0	10 9	(4)	14 9		
Vt.....	39 2	32 9	32 3	7 4	24 9	33 8	28 2	27 2	4 3	22 9	(4)	27 2		
Mass.....	65 1	51 2	54 6	25 8	28 8	58 7	45 8	48 7	22 8	25 9	.1	48 8		
R. I.....	8 7	6 7	7 4	2 7	4 7	7 8	5 9	6 6	2 3	4 3	.3	6 8		
Conn.....	47 3	38 3	40 2	15 7	24 4	42 6	34 0	35 8	1 38	22 1	-----	35 8		
Mid Atlantic.....	624 4	492 7	527 0	204 1	322 9	544 8	415 2	454 5	171 0	283 5	.9	455 4		
N. Y.....	294 7	222 1	247 0	93 4	153 6	262 7	193 6	216 7	78 9	137 8	.1	216 8		
N. J.....	78 9	68 6	72 7	38 7	34 0	72 7	62 7	67 0	36 2	30 8	(4)	67 0		
Pa.....	250 8	192 0	207 3	72 0	135 3	209 4	158 9	170 8	55 9	114 9	.8	171 6		
E. N. Central.....	1,272 8	950 8	1,024 5	311 0	713 5	1,090 8	804 5	868 8	249 5	619 2	7 9	876 7		
Ohio.....	271 9	191 6	217 0	73 3	143 7	227 1	157 0	179 6	58 2	121 4	2 1	181 7		
Ind.....	214 7	161 3	172 9	45 8	127 1	181 0	134 5	145 7	35 7	110 0	1 9	147 6		
Ill.....	330 5	271 1	274 9	86 8	188 1	305 2	234 5	239 0	75 8	163 2	2 5	241 5		
Mich.....	178 8	142 8	159 9	71 2	88 7	150 9	119 0	133 2	58 9	74 4	.8	134 0		
Wis.....	257 0	184 1	199 9	34 0	165 9	226 5	159 4	171 2	21 0	150 2	.6	171 8		
W. N. Central.....	1,661 4	1,183 0	1,229 4	328 7	900 7	1,462 4	1,022 2	1,066 5	270 6	785 9	55 9	1,122 4		
Minn.....	267 8	195 5	208 7	55 6	153 1	237 3	169 8	181 8	44 6	137 3	1 6	183 4		
Iowa.....	434 4	311 4	306 5	58 1	248 4	391 7	277 1	270 2	44 1	226 1	.4	270 6		
Mo.....	245 3	186 4	203 5	57 7	145 8	196 4	147 6	160 1	42 0	124 1	4 0	170 1		
N. Dak.....	73 2	78 3	84 5	43 4	41 1	60 3	67 7	73 4	40 5	32 9	14 5	87 9		
S. Dak.....	134 0	76 2	73 4	5 4	68 0	121 4	66 0	63 4	3 2	60 2	5 1	68 5		
Nebr.....	248 2	166 9	181 5	53 4	126 1	225 0	147 7	162 0	49 8	112 3	5 9	167 9		
Kans.....	258 5	168 3	171 4	53 1	118 3	230 4	146 3	149 5	46 4	108 1	24 4	174 0		
S. Atlantic.....	781 6	620 6	773 3	541 1	232 2	545 3	421 6	566 4	440 5	125 9	33 0	599 4		
Del.....	15 9	12 0	11 7	5 9	5 8	13 6	10 0	9 8	4 9	4 8	.1	9 9		
Md.....	64 6	51 1	53 7	25 5	28 3	52 3	41 2	43 8	21 2	22 5	.8	44 6		
Va.....	130 5	101 2	116 8	67 1	49 8	82 7	61 8	76 2	46 2	30 0	8	77 0		
W. Va.....	59 6	44 8	47 3	18 3	29 1	34 7	24 2	25 6	7 7	17 9	.1	25 6		
N. C.....	178 0	150 1	226 8	182 2	44 6	116 2	97 8	170 0	152 7	17 4	7 0	177 1		
S. C.....	89 6	73 3	95 6	73 5	22 1	60 8	48 5	70 4	62 4	8 0	9 9	80 3		
Ga.....	138 4	105 6	143 4	107 1	36 2	90 0	64 4	101 5	87 9	13 6	13 8	115 3		
Fla.....	105 1	82 5	77 9	61 4	16 4	95 0	73 8	69 2	37 5	11 7	5	69 6		
E. S. Central.....	526 5	422 7	490 0	325 2	164 8	337 7	267 6	328 3	240 0	88 3	35 7	363 9		
Ky.....	139 9	113 6	122 5	67 3	55 2	91 2	73 4	79 9	45 6	34 3	.3	80 2		
Tenn.....	132 2	105 6	125 7	78 7	47 0	84 8	66 7	84 3	55 8	28 5	4 9	89 2		
Ala.....	125 5	101 3	121 9	87 5	34 4	72 9	58 6	77 8	65 7	12 1	14 0	91 7		
Miss.....	128 8	102 3	119 9	91 7	28 2	88 9	68 9	86 3	72 9	13 4	16 5	102 8		
W. S. Central.....	829 2	684 3	804 4	542 9	261 4	653 0	523 4	665 9	490 7	175 2	112 5	778 4		
Ark.....	124 6	100 9	113 4	84 5	28 9	89 1	72 6	84 5	70 5	14 0	16 5	101 0		
La.....	101 0	80 9	87 1	64 8	22 3	77 6	60 2	66 6	56 2	10 4	7 6	74 2		
Okla.....	154 0	122 4	162 9	100 7	62 2	120 1	96 2	136 8	91 8	45 0	23 1	159 9		
Tex.....	449 6	360 2	441 0	292 9	148 0	366 3	294 5	377 9	272 2	105 7	65 4	443 3		
Mountain.....	365 9	278 5	318 8	145 8	173 0	329 5	245 1	287 0	135 2	151 7	14 6	301 6		
Mont.....	62 1	55 1	55 8	22 1	33 7	54 3	48 0	48 6	19 7	29 0	6 2	54 8		
Idaho.....	60 8	47 4	61 8	35 3	26 5	54 6	42 2	56 6	33 3	23 3	3 4	60 0		
Wyo.....	33 3	24 3	28 9	8 2	20 7	30 2	21 4	26 1	7 3	18 8	.4	26 5		
Colo.....	96 3	65 1	75 0	40 0	35 1	88 0	58 5	68 0	37 7	30 4	2 1	70 2		
N. Mex.....	33 6	24 8	29 9	11 7	18 2	29 6	21 2	26 3	10 7	15 6	1 2	27 5		
Ariz.....	31 4	24 8	29 3	15 1	14 2	28 7	22 4	27 1	14 6	12 5	.6	27 7		
Utah.....	38 1	28 6	31 2	12 6	18 7	34 6	25 6	28 1	11 4	16 8	.7	28 8		
Nev.....	10 3	6 4	6 8	9	6 0	9 5	5 7	6 1	7	5 5	(4)	6 2		
Pacific.....	661 9	531 7	590 0	379 6	210 4	625 4	501 0	558 1	366 9	191 1	10 1	568 1		
Wash.....	118 9	93 6	113 2	68 7	44 6	106 8	83 5	102 2	63 7	38 4	5 8	108 0		
Oreg.....	81 6	65 0	75 0	39 0	36 1	71 8	56 6	66 0	34 4	31 6	2 7	68 7		
Calif.....	461 5	373 1	401 7	272 0	129 8	446 8	360 9	389 9	268 8	121 1	1 6	391 5		

¹ Rental and benefit payments by Agricultural Adjustment Administration are not included.

² Includes \$30,643,000 value of hogs slaughtered under Agricultural Adjustment Administration reduction plan

³ United States totals include income from sugar beets for minor producing States, for which separate estimates are not available, as follows: 1931, \$5,157,000; 1932, \$4,456,000; 1933, \$5,472,000. For gross income for the United States adjusted for interstate shipments, see Table 545, p. 570

⁴ Less than \$50,000

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 548.—INDEX NUMBERS OF FARM PRICES AND WHOLESALE PRICES OF AGRICULTURAL PRODUCTS, BY GROUPS

[1923-1925=100]

Yearly average or year and month	Farm prices (revised) ¹								Wholesale prices			
	All farm prod- ucts	Grains	Cotton and cotton seed	Fruits	Dairy prod- ucts	Chick- ens and eggs	Meat ani- mals	Mis- cel- lane- ous	Farm prod- ucts	Grains	Live- stock and poultry	Other farm prod- ucts
1910-1914.....	68	75	48	68	66	65	85	69	69 4	² 72 4	² 86 6	² 59 8
1915-1920.....	116	145	93	97	97	108	138	121	120 1	144 4	134 0	102 6
1921-1925.....	95	92	85	106	99	99	97	97	95 4	94 0	97 9	94 3
1926-1930.....	96	92	64	105	99	97	122	100	97 0	94 6	117 1	87 3
1924.....	97	97	105	86	97	97	92	98	97 3	98 3	93 0	99 2
1925.....	106	118	88	119	99	107	118	105	106 8	115 6	115 9	99 5
1926.....	99	98	60	95	99	104	124	119	97 3	97 8	117 2	86 9
1927.....	95	96	63	99	101	94	118	101	96 7	98 6	115 9	86 2
1928.....	101	98	75	121	103	100	127	92	103 0	104 9	123 6	91 9
1929.....	99	90	71	97	102	106	131	97	102 0	95 2	124 4	92 6
1930.....	86	75	50	112	89	84	112	91	85 9	76 5	104 6	79 1
1931.....	59	47	31	68	70	65	77	62	63 0	51 8	74 9	60 1
1932.....	44	33	23	57	54	54	53	47	46 9	38 5	56 5	44 7
1933.....	48	47	32	51	53	49	50	58	50 0	51 9	50 9	48 5
1932												
Jan-Mar.....	47	39	23	52	60	50	56	46	49 8	44 4	60 6	46 2
Apr-June.....	43	36	21	63	52	42	51	44	45 9	40 7	54 9	43 2
July-Sept.....	44	32	25	57	50	51	53	47	47 4	36 6	61 8	43 8
Oct-Dec.....	43	26	23	53	53	72	47	44	44 6	32 4	49 1	45 5
Dec.....	43	26	21	50	55	76	44	49	42 9	31 0	45 4	44 6
1933												
Jan-Mar.....	39	26	23	46	49	46	45	40	41 0	33 1	47 2	40 1
Apr-June.....	45	44	30	52	50	39	53	44	48 0	30 5	52 5	44 8
July-Sept.....	55	63	37	64	56	47	54	74	56 6	65 8	54 7	54 3
Oct-Dec.....	54	54	37	51	58	63	49	69	54 4	58 7	48 7	55 0
Dec.....	53	55	38	51	57	61	44	72	54 0	59 0	44 5	55 9

¹ Indexes cover 34 major crops and, beginning 1924, also 13 commercial truck crops. The latter are not shown separately but are included in the total for all farm products.

² 2-year average, 1913 and 1914.

No. 549.—INDEX NUMBERS OF PRICES RECEIVED AND PAID BY FARMERS AND OF WHOLESALE PRICES

[1923-1925=100]

Yearly average or year and month	Prices received for farm products	Prices paid by farmers for commodities bought ¹			Wages paid to hired farm labor	Wholesale prices			
		Total	For living	For production		All commodities	Farm products	Foods	Other commodities
1910-1914.....	68	65	62	69	60	68	69	68	² 67
1915-1920.....	116	104	102	106	98	115	120	111	112
1921-1925.....	95	99	99	99	95	99	95	98	101
1926-1930.....	96	99	98	101	99	94	97	103	91
1923.....	97	99	99	98	99	100	96	98	102
1924.....	97	99	99	99	99	97	97	96	98
1925.....	106	102	102	102	101	103	107	106	100
1926.....	99	101	101	101	102	99	97	106	98
1927.....	95	99	99	101	102	95	97	102	92
1928.....	101	100	99	103	101	96	103	107	91
1929.....	99	99	98	102	102	95	102	106	90
1930.....	86	94	92	97	91	86	96	96	83
1931.....	59	81	78	85	69	73	63	79	73
1932.....	44	69	67	74	51	64	47	64	69
1933.....	48	71	68	75	48	65	50	64	70
1932									
March.....	47	73	70	78	³ 56	66	49	66	69
June.....	39	70	67	76	³ 52	63	44	62	69
September.....	45	70	66	73	³ 50	65	48	65	69
December.....	43	67	64	72	³ 44	62	43	62	68
1933									
March.....	37	65	61	70	³ 44	60	42	58	64
June.....	48	67	63	72	³ 47	65	52	65	67
September.....	54	75	73	79	³ 51	70	55	69	74
December.....	53	75	73	79	³ 49	70	54	66	76

¹ Annual indexes are based on retail prices paid by farmers, reported quarterly.

² Average for 1913 and 1914

³ Wages for the month following the one stated in the stub

Source of Tables 548 and 549. Computed from data of Departments of Agriculture and Labor.

No. 550.—FOREIGN TRADE IN AGRICULTURAL AND FOREST PRODUCTS: YEARS ENDED JUNE 30

NOTE.—All figures, except percentages, in thousands of dollars. Cude rubber and similar gums (now mostly plantation products) are included in agricultural products and excluded from forest products

Yearly average or year ended June 30—	Agricultural exports (excl. forest products)		Foreign products (reex- ports)	Agricultural imports (excl. forest products)		Forest products		
	United States products			Total	Per cent of all imports	Exports		Imports
	Total	Per cent of all exports ¹				United States products	Foreign products (reex- ports)	
1857-1861-----	215,709	81 1	10,372	122,055	38 5	9,995	764	5,905
1862-1866-----	148,866	75 7	9,272	123,539	43.4	7,866	714	7,194
1867-1871-----	250,713	76 9	8,785	182,762	43 0	11,775	443	11,825
1872-1876-----	396,666	78 5	9,177	268,481	47 4	17,007	635	14,403
1877-1881-----	591,351	80 4	8,745	273,780	51 8	17,579	439	14,610
1882-1886-----	557,473	76 3	9,803	324,606	48 8	24,705	955	21,354
1887-1891-----	573,287	74 7	7,274	381,971	50 3	26,061	1,152	24,630
1892-1896-----	638,748	73 0	9,420	416,042	53 9	29,276	734	27,443
1897-1901-----	827,566	65 9	13,009	404,335	53 9	45,961	1,236	25,172
1902-1906-----	879,541	59 5	14,554	528,165	50 2	63,585	1,219	40,960
1907-1911-----	975,399	53 9	16,812	707,997	50 4	88,764	1,803	65,822
1912-1916-----	1,256,452	45 1	28,070	1,030,602	55 8	92,129	1,768	81,467
1917-1921-----	2,859,558	42 7	82,829	2,165,276	61.5	120,200	3,596	168,982
1922-1926-----	1,950,850	45 9	58,806	1,982,253	53 5	141,078	1,715	214,824
1927-1931-----	1,620,894	35 9	57,803	1,941,377	51.2	156,820	1,458	205,676
1914-----	1,113,974	47 8	20,806	1,000,409	52 8	106,979	1,961	81,162
1915-----	1,475,938	54 3	38,222	997,911	59.6	52,554	1,287	79,451
1916-----	1,518,071	35 5	45,017	1,349,563	61.4	68,155	1,435	94,265
1917-----	1,968,253	31 6	45,420	1,599,660	60 2	68,919	3,392	129,580
1918-----	2,280,466	39 1	44,210	1,826,436	62 0	87,181	1,409	128,490
1919-----	3,579,918	50 6	105,587	1,930,028	62 3	113,275	3,758	132,588
1920-----	3,861,511	48 6	128,191	3,410,018	65 1	190,049	5,380	229,091
1921-----	2,607,641	40 8	90,739	2,060,237	56 4	141,876	4,043	225,162
1922-----	1,915,866	51 8	43,589	1,371,720	52 6	94,115	2,315	156,843
1923-----	1,799,168	46 3	48,393	2,077,240	54 9	129,981	1,955	234,568
1924-----	1,867,098	44 2	62,719	1,875,365	52 8	162,374	1,563	216,712
1925-----	2,280,381	47 7	64,168	2,057,163	53.8	156,187	1,290	227,423
1926-----	1,891,739	40 7	75,162	2,529,775	56 7	162,731	1,450	238,545
1927-----	1,907,864	39 2	72,222	2,281,421	53.7	171,970	1,365	238,247
1928-----	1,815,451	38 0	73,391	2,193,868	52 9	174,599	1,528	215,874
1929-----	1,847,216	35 0	63,942	2,179,046	50 8	175,092	2,157	222,249
1930-----	1,495,907	32 4	50,670	1,890,508	49 1	161,743	1,882	209,413
1931-----	1,038,034	34 2	28,791	1,163,054	47.8	97,695	1,585	142,590
1932-----	752,145	39 4	22,692	834,238	48.2	62,270	409	104,543
1933 (prel)-----	588,169	41 6	14,763	611,688	52 4	46,634	297	65,544

¹ Based on total exports of United States merchandise

Source: Bureau of Agricultural Economics, Department of Agriculture, and Bureau of Foreign and Domestic Commerce and predecessor organizations

No. 551.—VALUE OF AGRICULTURAL EXPORTS: BY MAJOR GROUPS

NOTE.—In millions and tenths of millions of dollars. Excludes reexports of foreign products

Yearly average or year (calendar)	Total agricul- tural exports	Animals and prod- ucts, edible ¹	Dairy prod- ucts and eggs	Grains and prepara- tions	Vege- tables, fruits, and nuts	Miscel- laneous animal and vegetable products ¹	Cotton	To- bacco
1910-1914 (fiscal).....	1,035 7	151 8	6 3	147 3	35 0	98 7	551 9	44 8
1921-1925.....	2,013 2	285 2	38 9	474 3	102 0	145 3	805 0	164 6
1926-1930.....	1,691 6	189 1	23 7	318 6	144 3	105 1	765 7	144 5
1923.....	1,820 5	308 6	36.4	331 4	87 7	116 0	807 1	153 4
1924.....	2,110 1	274 4	35 7	433 8	117 1	134 4	850 6	164 1
1925.....	2,136 2	269 3	31 1	351 8	121 1	149 4	1,059.8	153 8
1926.....	1,816 7	236 7	26 8	355 7	132 6	113 0	814 4	136 9
1927.....	1,884 6	181 6	25 3	443 8	143 6	124 5	826 3	139 7
1928.....	1,863 1	182 3	24 7	315.7	152 0	113.9	920 0	154 5
1929.....	1,692 9	198 2	22 1	286 4	162 8	106 6	770 8	146 1
1930.....	1,200 7	149 9	19 5	191 3	120 4	67 1	496 8	145 6
1931.....	821 4	93 2	12 8	106 0	122 0	50 9	325 7	110 8
1932.....	662 4	55 2	6 6	66 9	84 9	37 7	345 2	65 9
1933.....	694 4	63 6	4 4	31 5	77 1	36 6	398 2	82 9

¹ Revised beginning 1921; lard compounds excluded from animals and products and included in miscellaneous.

Source: Bureau of Foreign and Domestic Commerce, Department of Commerce.

No. 552.—VALUE OF EXPORTS OF PRINCIPAL AGRICULTURAL PRODUCTS OR GROUPS OF PRODUCTS

NOTE.—In millions and tenths of millions of dollars. Data except as stated are for calendar years and exclude reexports of foreign products

Products	1910-1914 (fiscal)	1921-1925	1926-1930	1928	1929	1930	1931	1932	1933
Grand total.....	1,035.7	2,013.2	1,691.6	1,863.1	1,682.9	1,200.7	821.4	662.4	694.4
Live animals.....	13.0	10.0	5.8	6.5	5.8	4.2	1.6	.9	1.0
Meats.....	62.7	133.2	71.4	60.9	72.5	69.7	32.2	16.0	20.2
Eggs and dairy products.....	6.3	38.9	23.7	24.7	22.1	19.5	12.8	6.6	4.4
Animal fats and oils ¹	83.8	144.1	116.1	118.8	123.6	87.6	60.4	37.8	40.3
Hides and skins.....	3.2	7.6	9.0	11.1	6.8	4.9	3.1	2.2	2.1
Bread grains ²	107.6	363.9	245.5	214.5	194.3	160.4	85.8	52.7	19.4
Coarse grains.....	36.8	97.0	59.0	87.6	72.5	21.0	12.6	9.1	8.9
Rice.....	6	11.9	10.8	13.2	11.1	9.7	7.3	5.0	3.1
Fodders and feeds.....	28.1	26.7	27.2	30.9	32.7	11.1	13.8	11.1	9.1
Vegetables.....	5.8	16.4	18.7	18.9	21.4	16.6	10.6	6.3	6.2
Fruits.....	29.4	81.5	120.8	127.8	136.0	109.7	108.2	76.5	67.6
Vegetable oils, expressed, oil-seeds, and nuts ¹	21.2	18.8	12.1	13.3	10.8	9.3	7.2	7.6	5.8
Coffee and substitutes.....	7.3	6.5	4.9	3.5	2.9	2.8	2.3	1.4	1.7
Sugar and related products.....	9.5	48.1	13.9	16.0	13.3	8.4	5.1	3.1	3.4
Seeds, except oilseeds.....	2.6	3.8	3.5	2.7	3.3	3.8	2.3	1.5	1.7
Tobacco.....	44.8	164.6	144.5	154.5	146.1	145.6	110.8	165.9	82.9
Cotton.....	551.9	805.0	765.7	920.0	770.8	496.8	325.7	345.2	398.2
Wool and hair.....	1.3	1.6	2.3	2.5	2.4	1.8	1.2	.8	1.4
All other.....	19.9	33.6	33.9	35.5	36.6	26.7	18.5	12.7	16.8

¹ Revised beginning 1921, lard compounds excluded from animal fats and oils and included in vegetable oils

² Includes wheat and rye, also flour and flour products

No. 553.—AGRICULTURAL EXPORT INDEXES: QUANTITY AND VALUE

Yearly average or year	Agricultural exports, other than cotton and tobacco			Cotton			Tobacco		
	Quantity	Unit value	Value	Quantity	Unit value	Value	Quantity	Unit value	Value
1910-1914.....	100	100	100	100	100	100	100	100	100
1923.....	155	127	196	62	237	146	123	278	343
1924.....	169	134	227	78	222	172	147	249	366
1925.....	134	157	210	98	196	192	135	255	343
1926.....	137	144	197	105	141	148	136	226	306
1927.....	151	138	209	108	139	150	143	219	312
1928.....	136	132	180	102	164	167	184	188	345
1929.....	136	130	177	88	159	140	177	185	328
1930.....	108	118	127	77	117	90	177	184	325
1931.....	99	88	88	81	73	59	166	149	247
1932.....	81	70	57	106	59	63	123	119	147
1933.....	67	73	49	99	73	72	136	136	185

No. 554.—AGRICULTURAL EXPORT INDEXES: BY GROUPS OF PRODUCTS

Group	Relative numbers, 1933, as compared with 1932 as 100			Relative numbers, 1933 as compared with 1910-1914 as 100 (direct comparison)		
	Quantity	Unit value	Value	Quantity	Unit value	Value
Total agricultural exports other than cotton and tobacco.....	82	103	85	67	72	49
Animal products, edible.....	111	104	115	64	65	42
Dairy products and eggs.....	90	74	67	71	98	70
Grains and preparations.....	43	109	47	30	72	21
Vegetables, fruits, and nuts.....	91	99	91	250	88	220
Cotton.....	94	123	115	102	70	72
Tobacco.....	111	114	126	(1)	(1)	(1)

¹ Not computed.

Source of Tables 552, 553, and 554 Bureau of Foreign and Domestic Commerce, Department of Commerce

27.—FARM ANIMALS AND ANIMAL PRODUCTS

[Data in this section relate to continental United States]

No. 555.—DOMESTIC ANIMALS: NUMBER AND VALUE OF ANIMALS ON FARMS

NOTE.—Animals of all ages are included except in figures for cattle and sheep, 1880 and 1890, which are nominally exclusive of calves and lambs, respectively. Value includes only animals specified. The difference in date of enumeration affects the comparability of the census figures for all classes and especially for swine.

Year and date	Number (thousands)						Value of all animals (thousands of dollars)
	Horses	Mules	All cattle	Dairy cows ¹	Other cattle	Sheep	Swine
Census returns—							
1880 (June 1)---	10,357	1,813	39,076	12,443	27,232	42,192	49,773
1890 (June 1)---	15,266	2,252	57,649	16,512	41,137	40,876	57,427
1900 (June 1)---	18,267	3,265	67,719	17,136	50,584	61,504	62,868
1910 (Apr. 15)---	19,833	4,210	61,804	20,625	41,178	52,448	58,186
1920 (Jan. 1)---	19,707	5,432	66,640	19,675	46,964	35,034	59,346
1925 (Jan. 1)---	16,401	5,681	60,760	17,645	43,115	35,590	50,854
1930 (Apr. 1)---	13,511	5,375	63,896	20,499	43,397	56,975	56,288
Estimates Jan. 1²							
1913-----	20,567	4,386	55,833	18,526	37,307	40,700	54,000
1914-----	20,962	4,449	58,737	18,930	39,807	37,773	51,800
1915-----	21,195	4,479	62,532	19,526	43,006	36,287	57,000
1916-----	21,159	4,593	66,394	20,064	46,330	36,543	59,700
1917-----	21,210	4,723	69,533	20,541	48,992	36,700	56,700
1918-----	21,555	4,873	71,229	21,021	50,208	39,000	61,200
1919-----	21,482	4,954	70,261	21,219	49,042	41,000	63,800
1920-----	20,092	5,656	70,325	21,455	48,870	40,643	60,159
1921-----	19,366	5,772	68,633	21,440	47,193	39,378	58,942
1922-----	18,760	5,827	68,663	21,822	46,841	36,821	59,849
1923-----	18,123	5,895	67,384	22,099	45,285	36,695	69,304
1924-----	17,365	5,908	65,832	22,288	43,544	37,020	66,576
1925-----	16,640	5,918	63,115	22,505	40,610	38,392	55,770
1926-----	16,087	5,903	59,977	22,311	37,666	40,183	52,085
1927-----	15,368	5,801	57,528	22,159	35,369	42,302	55,468
1928-----	14,788	5,647	56,701	22,129	34,572	45,121	61,772
1929-----	14,203	5,496	57,878	22,330	35,548	48,249	58,789
1930-----	13,684	5,366	59,730	22,910	36,820	51,233	55,301
1931-----	13,169	5,226	60,987	23,576	37,411	52,599	54,399
1932-----	12,621	5,120	62,656	24,475	38,181	53,165	58,988
1933-----	12,197	5,034	65,552	25,277	40,275	51,736	61,820
1934-----	11,942	4,931	67,352	26,062	41,290	51,374	56,976

¹ Census returns prior to 1900 represented "milk" cows, in 1900, cows kept for milk 2 years old and over, in 1910, cows and heifers kept for milk born before Jan. 1, 1909 (estimated number 2 years old and over Jan. 1, 17,125,000), in 1920 and 1925, dairy cows and heifers 2 years old and over, in 1930, cows and heifers, born before 1928, kept mainly for milk production. Estimates as of Jan. 1 represent cows and heifers 2 years old and over kept for milk.

² Estimates by Bureau of Agricultural Economics, Department of Agriculture; value, 1913 to 1919, computed by Bureau of Foreign and Domestic Commerce, based on United States average price for each class.

No. 556.—DOMESTIC ANIMALS, CHICKENS, AND BEES IN THE UNITED STATES ON FARMS: NUMBER AND VALUE

NOTE.—Number in thousands, value in thousands of dollars. Data are as of Jan. 1, 1920 and 1925, and Apr. 1, 1930. Owing to the change in date of enumeration figures for 1930 are not closely comparable with those for earlier years.

Kind	Number			Value		
	1920	1925	1930	1920	1925	1930
Total -----				7,988,891	14,856,389	6,084,051
All cattle-----	66,640	60,760	63,896	3,651,521	2,019,489	3,303,988
Cows and heifers kept mainly for milk production-----	² 19,675	² 17,645	³ 20,499	1,507,513	912,532	1,572,720
Horses-----	19,767	16,401	13,511	1,782,077	1,001,521	905,881
Mules-----	5,432	5,681	5,375	779,294	449,520	442,766
Asses and burros-----	⁽¹⁾ 72	⁽¹⁾ 48	⁽¹⁾ 48	8,198	(¹)	1,881
Sheep-----	35,034	35,590	56,975	395,401	354,485	413,860
Goats-----	3,459	3,370	4,821	17,565	10,250	19,320
Swine-----	59,346	50,854	56,288	988,582	614,951	641,099
Chickens-----	359,537	409,291	⁵ 378,878	349,509	379,011	⁵ 321,625
Bees, hives-----	3,467	⁽⁴⁾	⁶ 3,108	16,841	⁽⁴⁾	⁶ 13,632

¹ Value of all livestock including value of livestock not reported, estimated at \$29,162,000.

² Dairy cows and heifers, 2 years old and over.

⁴ Not reported.

⁵ Over 3 months old Apr. 1, 1930.

³ Born before 1928.

⁶ On farms and elsewhere.

Source: Bureau of the Census, Department of Commerce.

No. 557.—DOMESTIC ANIMALS ON FARMS IN THE UNITED STATES: BY AGE AND SEX, APRIL 1, 1930

Class	Number (thousands)	Class	Number (thousands)
Horses, total -----	13, 511	Cattle—Continued -----	
Colts born between Jan 1 and Apr. 1, 1930-----	127	Cows and heifers born before 1928... Kept mainly for milk production-----	28, 336
Colts born in 1929 (yearlings)-----	495	Kept mainly for beef production-----	20, 199
Colts born in 1928 (2-year-olds)-----	463		
Horses born before 1928-----	12, 426		
Mules, total -----	5, 375	Swine, total -----	56, 288
Mule colts born between Jan 1 and Apr. 1, 1930-----	21	Pigs born between Jan. 1 and Apr. 1, 1930-----	23, 494
Mule colts born in 1929 (yearlings)-----	81	Sows and gilts farrowing between Jan. 1 and June 1, 1930-----	7, 674
Mule colts born in 1928 (2-year-olds)-----	87	Other swine born before Jan. 1, 1930-----	25, 120
Mules born before 1928-----	5, 186		
Cattle, total -----	63, 896	Sheep and lambs, total -----	56, 975
Calves born between Jan 1 and Apr. 1, 1930-----	9, 646	Lambs born since Oct 1, 1929-----	15, 195
Steers and bulls born in 1929 (yearlings)-----	6, 313	Rams and wethers born before Oct 1, 1929-----	3, 683
Heifers born in 1929 (yearlings)-----	8, 744	Yearling ewes born between Oct. 1, 1928, and Oct 1, 1929-----	7, 302
Bulls born before 1929-----	1, 262	Ewes born before Oct 1, 1928-----	30, 795
Steers born in 1928 (2-year-olds)-----	2, 616		
Steers born before 1928-----	1, 136	Goats and kids, total -----	4, 821
Heifers born in 1928 (2-year-olds)-----	5, 843	Angora goats and kids (all ages)-----	3, 785
Kept mainly for milk production-----	3, 759	Other goats and kids (all ages)-----	1, 036
Kept mainly for beef production-----	2, 084		

No. 558.—DOMESTIC ANIMALS ON FARMS IN THE UNITED STATES: NUMBER, AVERAGES, AND RATIOS, AT EACH CENSUS, 1920 TO 1930

NOTE.—By reason of the change in date of enumeration from Jan. 1 in 1920 and 1925 to Apr. 1 in 1930, figures for 1930 are not very closely comparable with those for earlier years

Item	Horses	Mules	All cattle	Dairy cows ¹	Sheep	Goats	Swine
Number:							
1920-----	19, 767, 161	5, 432, 391	66, 639, 556	19, 675, 297	35, 033, 516	3, 458, 925	59, 346, 409
1925-----	16, 400, 623	5, 680, 897	60, 760, 366	17, 644, 867	35, 590, 159	3, 370, 218	50, 853, 526
1930-----	13, 510, 839	5, 375, 017	63, 895, 826	20, 498, 955	56, 975, 084	4, 821, 294	56, 287, 920
Increase, 1925-1930 ²							
Number-----	-2, 889, 784	-305, 880	3, 135, 460	2, 854, 088	21, 384, 925	1, 451, 076	5, 434, 394
Per cent-----	-17. 6	-5. 4	5. 2	16. 2	60. 1	43. 1	10. 7
Number of farms reporting:							
1920-----	4, 704, 235	2, 259, 746	5, 358, 243	4, 461, 296	538, 593	107, 267	4, 850, 807
1925-----	3, 365, 513	(³)	(⁴)	3, 728, 587	430, 738	91, 402	3, 618, 624
1930-----	3, 024, 713	(³)	4, 803, 174	4, 452, 936	583, 578	112, 864	3, 535, 119
Per cent of all farms.							
1920-----	73. 0	35. 0	83. 1	69. 2	8. 4	1. 7	75. 2
1925-----	84. 2	(³)	(⁴)	58. 5	6. 8	1. 4	56. 8
1930-----	79. 9	(³)	76. 4	70. 8	9. 3	1. 8	56. 2
Average number per farm reporting.							
1920-----	4. 2	2. 4	12. 4	4. 4	65. 0	32. 2	12. 2
1925-----	4. 1	(³)	(⁴)	4. 7	82. 6	36. 9	14. 1
1930-----	3. 8	(³)	13. 3	4. 6	97. 6	42. 7	15. 9
Average number per 1,000 acres of all land in farms:							
1920-----	21	6	70	21	37	4	62
1925-----	18	6	66	19	39	4	55
1930-----	14	5	65	21	58	5	57
Average value per head (dollars):							
1920-----	90. 15	143. 45	54. 80	76. 62	11. 29	5. 08	16. 66
1925-----	61. 07	79. 13	33. 24	51. 72	9. 96	3. 04	12. 09
1930-----	67. 05	82. 37	51. 71	76. 72	7. 26	4. 01	11. 39

¹ For 1920 and 1925, dairy cows 2 years old and over Jan. 1; for 1930, cows and heifers born before 1928 kept mainly for milk production

² A minus sign (-) denotes decrease.

³ Includes mules.

⁴ Not available.

Source of Tables 557 and 558: Bureau of the Census, Department of Commerce.

No. 559—DOMESTIC ANIMALS: NUMBER ON

NOTE.—By reason of the change in date of census enumeration from Jan. 1, in 1920 and 1925

[All figures

Division and State	Horses				Mules				All cattle			
	1920 (Jan. 1)	1925 (Jan. 1)	1930 (Apr. 1)	1934 (Jan. 1) ²	1920 (Jan. 1)	1925 (Jan. 1)	1930 (Apr. 1)	1934 (Jan. 1) ²	1920 (Jan. 1)	1925 (Jan. 1)	1930 (Apr. 1)	1934 (Jan. 1) ²
United States.....	19,767	16,401	13,511	11,942	5,432	5,681	5,375	4,931	66,640	60,760	63,896	67,352
New England.....	805	259	182	151	3	3	2	(3)	1,320	1,119	1,271	1,185
Maine.....	94	32	21	47	(3)	1	1	(3)	301	236	257	252
New Hampshire.....	38	31	20	15	(3)	(3)	(3)	(3)	164	121	136	130
Vermont.....	77	63	52	46	1	1	1	(3)	435	393	472	434
Massachusetts.....	51	44	25	21	(3)	1	(3)	(3)	216	188	207	180
Rhode Island.....	7	5	3	4	(3)	1	(3)	(3)	31	27	32	30
Connecticut.....	38	34	21	18	1	1	1	(3)	174	153	167	159
Middle Atlantic.....	1,115	907	672	596	68	65	60	59	3,869	3,309	3,906	3,664
New York.....	536	440	321	285	7	7	6	6	2,144	1,837	2,220	2,049
New Jersey.....	73	57	39	32	6	5	3	2	179	153	175	175
Pennsylvania.....	506	410	312	279	55	53	51	51	1,546	1,319	1,511	1,440
East North Central.....	4,114	3,303	2,688	2,451	310	315	281	248	10,898	9,656	10,627	10,384
Ohio.....	811	630	495	451	32	33	31	32	1,927	1,653	1,773	1,708
Indiana.....	717	556	443	404	100	101	82	79	1,546	1,282	1,447	1,485
Illinois.....	1,297	1,080	821	727	168	168	134	122	2,788	2,305	2,342	2,500
Michigan.....	606	482	383	362	6	7	7	6	1,588	1,406	1,528	1,461
Wisconsin.....	683	604	546	507	4	6	7	7	3,051	3,010	3,537	3,230
West North Central.....	6,942	5,968	5,152	4,574	847	892	873	605	20,163	19,204	19,877	21,777
Minnesota.....	933	835	805	745	10	13	15	15	3,021	2,853	3,156	3,476
Iowa.....	1,387	1,180	1,048	927	82	97	85	76	4,543	4,264	4,136	4,455
Missouri.....	906	708	597	551	389	372	296	274	2,782	2,372	2,783	2,770
North Dakota.....	856	731	612	521	8	9	8	8	1,335	1,241	1,454	1,335
South Dakota.....	817	720	621	524	15	21	19	15	2,343	2,022	1,974	2,214
Nebraska.....	961	862	754	662	100	120	99	86	3,154	3,283	3,150	3,460
Kansas.....	1,083	931	715	644	243	260	151	131	2,975	3,068	3,224	3,567
South Atlantic.....	1,039	806	604	512	1,079	1,023	1,023	945	4,703	4,135	3,780	3,945
Delaware.....	28	22	18	15	9	9	10	9	47	46	54	49
Maryland.....	141	117	94	84	33	31	29	28	283	273	319	285
Dist. of Col.....	(3)	(3)	(3)	(1)	(3)	(3)	(3)	(4)	1	1	1	(1)
Virginia.....	312	260	203	167	97	102	94	88	910	807	833	792
West Virginia.....	169	143	113	101	15	15	12	12	587	568	556	547
North Carolina.....	171	131	87	73	257	280	294	268	645	539	533	594
South Carolina.....	78	49	31	22	220	199	189	165	434	341	270	290
Georgia.....	101	54	37	32	406	344	354	333	1,157	906	783	894
Florida.....	39	29	21	18	42	43	41	42	639	656	431	494
East South Central.....	1,046	788	591	494	1,250	1,277	1,272	1,232	4,547	3,636	3,968	4,226
Kentucky.....	382	307	248	203	293	294	252	254	1,093	905	1,086	1,115
Tennessee.....	318	242	175	143	353	352	319	309	1,159	986	1,074	1,116
Alabama.....	130	87	65	53	296	303	332	325	1,044	822	799	901
Mississippi.....	215	131	103	85	308	328	369	344	1,250	923	1,009	1,094
West South Central.....	2,160	1,760	1,524	1,373	1,685	1,893	1,913	1,693	10,108	9,009	10,243	10,933
Arkansas.....	252	182	138	116	323	341	362	306	1,073	810	813	960
Louisiana.....	179	131	118	99	180	173	201	176	804	697	730	839
Oklahoma.....	738	608	506	431	337	368	315	251	2,074	1,657	2,097	2,394
Texas.....	991	838	762	727	846	1,010	1,040	960	6,157	5,846	6,603	6,740
Mountain.....	2,076	1,850	1,511	1,325	89	112	89	82	7,600	7,406	6,991	7,877
Montana.....	669	594	450	380	9	10	8	8	1,269	1,322	1,290	1,543
Idaho.....	293	233	206	182	8	8	7	7	715	606	622	736
Wyoming.....	198	200	173	149	3	5	4	4	875	783	824	1,004
Colorado.....	421	365	329	312	31	38	29	26	1,757	1,436	1,454	1,650
New Mexico.....	183	187	141	114	20	31	23	19	1,300	1,267	1,055	1,225
Arizona.....	136	112	80	73	12	12	12	12	822	1,069	695	930
Utah.....	125	110	91	81	3	4	3	3	506	504	442	460
Nevada.....	50	50	41	34	2	4	3	3	356	419	309	329
Pacific.....	970	780	587	478	101	101	77	69	3,432	3,285	3,533	3,361
Washington.....	296	242	182	150	23	26	22	20	573	582	625	659
Oregon.....	272	224	179	148	14	19	14	13	851	784	805	852
California.....	402	314	226	178	63	56	41	36	2,008	1,918	2,103	1,850

¹ Census returns for 1920 and 1925 represent dairy cows and heifers 1 year old and over, for 1930, cows and heifers born before 1929 kept mainly for milk production. Estimates for Jan. 1, 1934, represent cows and heifers 1 year old and over kept for milk cows.

FARMS, BY DIVISIONS AND STATES, 1920 TO 1934

to Apr. 1 in 1930, figures for 1930 are not very closely comparable with data for other years
in thousands]

Dairy cows and heifers ¹				Sheep				Swine				Division and State
1920 (Jan 1)	1925 (Jan 1)	1930 (Apr. 1) ²	1934 (Jan. 1) ²	1920 (Jan 1)	1925 (Jan 1)	1930 (Apr. 1) ²	1934 (Jan. 1) ²	1920 (Jan 1)	1925 (Jan 1)	1930 (Apr. 1) ²	1934 (Jan. 1) ²	
23,724	20,714	24,258	30,811	35,034	35,596	56,975	51,374	59,346	50,854	56,288	55,976	U. S.
1,018	920	818	948	243	154	201	140	384	193	228	194	N. Eng.
217	181	153	190	119	85	100	67	91	54	40	52	Me.
119	97	85	100	28	16	21	10	42	16	16	14	N. H.
346	325	310	352	63	35	51	35	73	44	29	29	Vt.
174	164	137	149	19	10	13	11	104	58	105	72	Mass.
25	24	22	25	3	2	3	2	13	4	5	5	R. I.
135	129	111	132	11	7	13	9	61	17	27	22	Conn.
2,928	2,670	2,426	2,587	1,098	893	1,220	987	1,931	1,050	1,007	935	Mid. Atl.
1,730	1,552	1,405	1,665	579	473	618	454	601	259	221	204	N. Y.
148	135	121	145	10	6	12	7	139	56	129	60	N. J.
1,050	983	900	1,077	509	415	590	526	1,191	734	657	665	Pa.
6,082	5,877	5,800	7,156	5,073	4,479	6,599	5,109	14,183	11,774	12,985	13,115	E. N. C.
1,059	968	901	1,176	2,103	1,941	2,538	2,110	3,084	2,368	2,778	2,287	Ohio.
727	691	738	945	844	595	1,118	733	3,757	2,939	3,347	3,573	Ill.
1,143	969	1,088	1,374	638	566	944	623	4,639	4,249	4,652	5,094	Mich.
987	944	843	1,062	1,209	1,066	1,416	1,171	1,106	855	596	711	Wis.
2,180	2,304	2,170	2,599	480	310	585	466	1,590	1,363	1,612	1,450	
5,485	4,403	6,845	8,946	4,950	4,007	7,312	7,559	21,715	24,600	27,650	26,863	W. N. C.
1,632	1,665	1,712	2,193	509	379	927	1,174	2,381	2,715	3,316	3,216	Minn.
1,094	822	1,486	1,881	1,092	818	1,558	1,247	7,864	8,667	10,056	10,813	Iowa
793	617	970	1,260	1,272	894	1,750	1,189	3,889	3,602	3,861	4,253	Mo.
461	385	583	845	299	311	857	939	458	784	628	434	N. Dak.
406	292	587	825	844	644	1,150	1,371	1,954	2,600	2,637	1,229	S. Dak.
517	268	691	900	573	647	496	997	3,436	4,236	4,679	4,307	Nebr.
681	454	816	1,042	361	315	574	642	1,733	2,197	2,473	2,611	Kans.
2,012	1,549	1,704	2,144	1,209	1,077	2,187	1,421	6,536	4,176	4,393	4,226	S. Atl.
38	39	34	40	3	2	5	3	39	24	30	23	Del.
189	196	190	217	103	92	194	109	306	188	205	181	D. C.
1	1	(³)	(³)	(³)	(³)	(³)	(³)	1	1	(³)	(³)	Va.
418	329	384	453	342	351	829	470	941	582	700	562	W. Va.
219	154	216	265	510	441	897	650	305	177	222	207	N. C.
355	292	298	405	91	67	146	95	1,271	872	839	936	S. C.
229	178	151	184	24	14	19	15	845	535	471	478	Ga.
484	308	342	465	72	51	50	36	2,071	1,300	1,358	1,362	Fla.
90	52	88	115	65	60	47	43	755	498	567	477	E. S. C.
2,031	1,593	1,868	2,419	1,318	1,155	2,402	1,482	6,207	3,453	3,801	4,154	Ky.
515	433	532	627	708	606	1,597	951	1,504	919	1,035	1,079	Tenn.
495	416	493	633	364	290	626	389	1,832	1,009	1,002	1,137	Ala.
491	363	371	531	82	56	69	47	1,497	827	831	948	Miss.
530	381	472	628	164	114	110	95	1,373	698	733	990	
2,998	1,790	2,580	3,559	2,909	3,359	7,500	8,635	5,758	3,451	4,148	4,313	W. S. C.
517	325	390	573	100	51	86	58	1,378	847	776	990	Ark.
218	116	256	342	130	109	171	137	851	518	759	632	La.
560	429	703	938	105	62	222	161	1,304	920	1,051	1,024	Okla.
1,002	860	1,241	1,706	2,573	3,137	7,021	8,179	2,226	1,166	1,562	1,667	Tex.
754	723	973	1,289	13,207	15,130	21,008	20,150	1,193	1,311	1,217	1,182	Mountain.
153	122	186	261	2,083	2,188	4,028	4,144	167	278	210	227	Mont.
143	171	194	266	2,356	1,746	3,302	2,396	240	276	268	277	Idaho.
42	39	72	92	1,860	2,507	3,418	3,614	72	100	98	78	Wyo.
234	192	266	355	1,813	2,244	2,605	3,008	450	493	462	420	Colo.
46	47	70	89	1,640	1,743	2,291	2,757	88	55	65	58	N. Mex.
39	41	41	58	882	1,164	1,340	1,010	50	19	24	17	Ariz.
81	88	120	140	1,692	2,355	2,922	2,242	96	64	67	68	Utah.
16	23	24	28	881	1,184	1,202	979	27	25	23	17	Nev.
1,120	1,249	1,234	1,463	5,026	5,336	8,546	5,998	1,441	845	1,059	1,014	Pacific.
290	319	298	388	624	516	1,143	721	265	198	186	202	Wash.
216	245	253	318	2,002	1,775	3,319	2,391	267	216	225	177	Oreg.
614	685	683	757	2,400	3,045	4,084	2,856	909	431	648	635	Calif.

² Estimates by Department of Agriculture.³ Less than 500.⁴ No estimate.

Source: Bureau of the Census, Department of Commerce, except as noted.

No. 560.—DOMESTIC ANIMALS: RECEIPTS AND SHIPMENTS AT ALL REPORTING PUBLIC STOCKYARDS AND PRINCIPAL PUBLIC STOCKYARDS

[All figures in thousands]

Item and yearly average or year	Chicago	Denver	East St. Louis	Fort Worth	Kansas City	Omaha	St. Joseph	South St. Paul	Sioux City	Total, 9 stock-yards	All other stock-yards reporting ¹	Total, all stock-yards reporting ¹
CATTLE AND CALVES												
Receipts:												
1911-1915.....	2,957	416	1,081	1,046	2,151	1,062	451	607	443	10,214	-----	-----
1916-1920.....	3,924	685	1,368	1,421	2,828	1,745	683	1,286	739	14,678	7,893	22,573
1921-1925.....	3,852	595	1,341	1,218	2,932	1,709	675	1,336	772	14,430	8,366	22,796
1926-1930.....	3,344	611	1,343	1,148	2,328	1,609	614	1,549	857	13,403	8,341	21,744
1930.....	2,796	593	1,203	969	2,167	1,605	560	1,339	857	12,089	8,077	20,166
1931.....	2,833	504	1,171	841	1,958	1,690	508	1,415	851	11,771	7,845	19,616
1932.....	2,453	425	1,064	653	1,854	1,458	437	1,234	564	10,167	7,165	17,332
1933.....	2,507	419	1,118	640	1,719	1,537	484	1,351	830	10,605	7,329	17,934
Shipments:												
1911-1915.....	891	(¹)	309	(¹)	(¹)	445	154	357	241	² 2,397	-----	-----
1916-1920.....	1,017	538	393	586	1,266	740	223	749	416	5,927	3,538	9,465
1921-1925.....	1,103	453	814	429	1,421	729	232	475	411	6,067	3,623	9,690
1926-1930.....	846	454	887	463	1,130	626	187	447	415	5,454	3,407	8,861
1930.....	710	449	769	476	1,138	684	195	331	437	5,189	3,129	8,318
1931.....	811	352	755	405	1,094	759	155	349	432	5,111	3,015	8,126
1932.....	665	290	632	324	1,045	599	126	261	266	4,208	2,640	6,848
1933.....	631	267	552	271	815	573	117	327	348	3,902	2,739	6,641
SHEEP AND LAMBS												
Receipts:												
1911-1915.....	5,317	694	874	314	2,044	3,107	793	725	286	14,154	-----	-----
1916-1920.....	4,353	1,857	613	404	1,711	3,251	832	665	404	14,090	8,747	22,837
1921-1925.....	4,173	1,918	575	351	1,619	2,704	974	821	279	13,114	9,437	22,551
1926-1930.....	4,044	2,076	568	464	1,783	2,972	1,500	972	714	15,094	10,922	26,016
1930.....	4,335	2,062	584	432	2,016	3,410	1,634	1,354	1,188	17,015	12,793	29,808
1931.....	4,489	2,499	661	1,173	2,244	3,510	1,572	1,690	1,279	19,118	13,905	33,023
1932.....	3,922	2,834	711	1,198	1,837	2,858	1,291	1,522	776	16,479	12,827	29,306
1933.....	3,536	2,902	659	779	1,672	2,126	1,233	1,552	857	15,316	11,868	27,184
Shipments:												
1911-1915.....	1,088	(¹)	78	(¹)	(¹)	1,412	183	534	76	² 3,371	-----	-----
1916-1920.....	1,076	1,694	98	232	658	1,703	233	472	191	6,347	5,564	11,911
1921-1925.....	1,806	1,746	215	215	516	1,129	228	205	90	5,650	5,999	11,649
1926-1930.....	1,208	1,869	215	232	504	1,252	374	457	216	6,316	7,055	13,371
1930.....	1,311	1,808	213	204	501	1,378	377	691	402	6,885	7,721	14,606
1931.....	1,426	2,191	220	472	821	1,549	393	926	509	8,506	8,480	16,986
1932.....	915	2,600	197	391	563	834	246	802	266	6,814	7,400	14,214
1933.....	753	2,670	146	261	520	642	241	887	269	6,387	6,806	13,196
SWINE												
Receipts:												
1911-1915.....	7,225	258	2,678	465	2,611	2,540	1,837	1,379	1,520	20,513	-----	-----
1916-1920.....	8,234	382	3,214	759	2,888	3,046	2,102	2,220	2,239	25,034	17,518	42,552
1921-1925.....	9,041	452	3,672	416	2,695	3,287	2,042	3,092	2,742	27,749	20,219	47,968
1926-1930.....	7,884	514	3,721	334	2,164	2,997	1,637	3,017	2,436	24,605	17,911	42,516
1930.....	7,870	512	3,459	279	2,015	3,363	1,446	2,759	2,317	24,021	16,753	40,774
1931.....	7,942	597	2,970	216	1,337	3,525	1,322	3,251	2,646	23,805	15,733	39,538
1932.....	6,602	652	2,626	255	1,366	3,078	1,226	2,600	1,955	20,351	14,677	35,028
1933.....	7,792	771	3,328	498	2,077	2,950	1,715	2,742	2,287	24,160	16,217	40,377
Shipments:												
1911-1915.....	1,439	(¹)	891	(¹)	(¹)	393	121	424	419	² 3,687	-----	-----
1916-1920.....	1,271	26	1,244	139	478	754	201	827	884	6,824	7,894	13,718
1921-1925.....	2,355	77	2,559	72	772	797	437	650	1,076	8,795	8,335	17,130
1926-1930.....	1,997	121	2,733	30	741	925	384	869	885	8,684	7,204	15,889
1930.....	1,786	128	2,805	35	916	1,066	442	865	891	8,934	6,948	15,882
1931.....	1,700	167	2,422	499	1,100	1,357	1,374	985	1,374	985	6,440	14,973
1932.....	1,084	206	1,947	19	324	710	245	1,172	578	6,256	5,067	11,303
1933.....	604	243	1,857	20	276	419	128	624	360	4,531	5,329	9,860
HORSES AND MULES												
Receipts:												
1911-1915.....	112	28	182	49	86	34	36	7	14	548	-----	-----
1916-1920.....	98	26	236	76	98	26	35	10	22	626	568	1,194
1921-1925.....	26	25	79	36	36	12	13	4	12	243	206	449
1926-1930.....	18	22	63	36	44	17	8	13	15	236	182	419
1930.....	18	9	51	27	54	15	5	13	12	204	142	346
1931.....	17	6	40	13	33	15	4	15	14	158	96	254
1932.....	14	7	36	17	29	19	5	10	10	147	94	241
1933.....	16	13	69	23	46	31	9	16	14	238	166	404

¹ Figures not available prior to 1915.

² Total for about 65 stockyards.

³ Total of six stockyards.

⁴ Includes many pigs and sows received for sale on Government account, Aug. 23 to Sept. 30, 1933.

Source, Bureau of Agricultural Economics, Department of Agriculture.

No. 561.—DOMESTIC ANIMALS: RECEIPTS AND SHIPMENTS AT NINE STOCK-YARDS

[All figures in thousands Stockyards covered are those named in Table 560]

Year	Cattle and calves		Sheep and lambs		Swine		Horses and mules, receipts
	Receipts	Shipments ¹	Receipts	Shipments ¹	Receipts	Shipments ¹	
1914.....	9,466	2,173	14,372	3,337	19,044	3,525	478
1915.....	10,057	4,081	12,288	4,050	21,840	4,784	780
1916.....	11,920	4,755	13,479	5,102	26,781	5,864	810
1917.....	15,034	5,812	12,484	5,955	22,360	5,473	756
1918.....	16,781	6,405	14,050	6,518	26,607	5,624	600
1919.....	15,932	6,713	16,847	7,850	26,237	5,817	557
1920.....	13,725	5,948	13,591	6,311	23,187	6,338	401
1921.....	12,150	5,350	13,580	5,297	22,798	6,983	186
1922.....	14,590	6,677	12,253	5,484	24,601	7,056	242
1923.....	15,013	6,484	13,192	5,879	32,320	9,597	302
1924.....	15,189	6,119	13,382	5,972	32,612	11,040	245
1925.....	15,206	5,709	13,167	5,615	26,415	9,300	242
1926.....	15,242	5,883	14,779	6,025	23,414	8,413	211
1927.....	14,020	5,454	13,555	5,507	23,616	8,007	247
1928.....	13,089	5,448	14,974	6,434	26,525	9,369	250
1929.....	12,574	5,294	15,548	6,730	25,450	8,699	269
1930.....	12,089	5,189	17,015	6,885	24,021	8,934	204
1931.....	11,771	5,111	19,118	8,506	23,805	8,527	158
1932.....	10,167	4,208	16,479	6,814	20,351	6,236	147
1933.....	10,605	3,902	15,816	6,387	24,160	4,531	238

¹ Denver, Fort Worth, and Kansas City are not included in 1914² See note 4 Table 560

No. 562.—DOMESTIC ANIMALS: RECEIPTS AND STOCKER AND FEEDER SHIPMENTS AT ALL PUBLIC STOCKYARDS

[All figures in thousands]

Item	1916-1920, average	1921-1925, average	1926-1930, average	1929	1930	1931	1932	1933
Cattle and calves:								
Receipts.....	22,573	22,796	21,744	20,440	20,166	19,616	17,332	17,934
Stocker and feeder shipments.....	4,610	4,144	3,673	3,651	3,426	3,044	2,618	2,547
Sheep and lambs.								
Receipts.....	22,838	22,572	26,016	26,868	29,808	33,023	29,306	27,184
Stocker and feeder shipments.....	5,014	4,150	4,912	5,565	4,463	5,287	3,373	3,008
Swine:								
Receipts.....	42,552	47,068	42,516	44,097	40,774	39,538	35,028	40,377
Stocker and feeder shipments.....	720	588	736	623	517	533	321	398

No. 563.—DOMESTIC ANIMALS: RECEIPTS AT ALL PUBLIC STOCKYARDS, BY MONTHS

[All figures in thousands]

Class and yearly average or year	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Cattle and calves:													
1916-1920.....	22,573	1,725	1,358	1,485	1,613	1,765	1,672	1,740	1,885	2,330	2,709	2,476	1,816
1921-1925.....	22,796	1,781	1,404	1,621	1,642	1,789	1,677	1,745	2,082	2,264	2,715	2,236	1,838
1926-1930.....	21,744	1,744	1,429	1,603	1,693	1,765	1,614	1,639	1,823	2,157	2,527	2,082	1,667
1930.....	20,166	1,639	1,326	1,547	1,644	1,517	1,459	1,512	1,605	2,107	2,377	1,696	1,736
1931.....	19,616	1,508	1,303	1,535	1,616	1,551	1,540	1,488	1,822	1,798	2,137	1,865	1,453
1932.....	17,332	1,376	1,282	1,377	1,378	1,397	1,337	1,291	1,606	1,689	1,896	1,543	1,162
1933.....	17,934	1,324	1,137	1,171	1,296	1,558	1,449	1,456	1,669	1,653	2,178	1,699	1,343
Sheep and lambs.													
1916-1920.....	22,838	1,518	1,267	1,253	1,272	1,315	1,496	1,753	2,397	3,090	3,307	2,430	1,742
1921-1925.....	22,572	1,685	1,416	1,503	1,448	1,687	1,628	1,697	2,064	2,647	3,262	1,952	1,584
1926-1930.....	26,016	1,755	1,601	1,690	1,764	2,038	1,925	1,945	2,395	3,290	3,698	2,128	1,787
1930.....	29,808	1,903	1,803	2,151	2,230	2,334	2,230	2,296	2,583	3,680	3,784	2,607	2,307
1931.....	33,023	2,175	1,964	2,120	2,713	2,810	2,587	2,535	3,270	3,900	3,956	2,811	2,182
1932.....	29,306	2,363	2,035	2,115	2,412	2,429	2,428	2,240	2,919	3,239	3,266	2,203	1,657
1933.....	27,184	1,914	1,795	1,844	2,097	2,403	2,091	2,228	2,795	2,911	3,268	2,064	1,774
Swine:													
1916-1920.....	42,552	5,191	4,097	3,773	3,236	3,596	3,261	2,794	2,308	2,233	3,125	4,204	4,733
1921-1925.....	47,068	5,328	4,401	4,017	3,647	3,839	3,873	3,355	3,030	3,056	3,819	4,454	5,149
1926-1930.....	42,516	4,743	3,946	3,740	3,310	3,419	3,391	3,008	2,790	2,774	3,422	3,733	4,230
1930.....	40,774	4,720	3,781	3,294	3,255	3,293	3,215	2,918	2,617	2,799	3,441	3,439	4,002
1931.....	39,538	4,652	3,704	3,207	3,067	2,938	2,854	2,511	2,454	2,727	3,462	3,752	4,210
1932.....	35,028	4,218	3,659	2,939	2,960	3,050	2,545	2,158	2,405	2,505	2,691	2,775	3,123
1933.....	40,377	3,388	2,700	2,638	2,798	3,143	3,361	2,871	3,924	6,494	2,521	3,207	3,352

¹ Includes many pigs and sows received for sale on Government account, Aug 23-Sept 30, 1933

Source of Tables 561, 562, and 563, Bureau of Agricultural Economics, Department of Agriculture.

No. 564.—DOMESTIC ANIMALS: AVERAGE FARM PRICE AND AVERAGE CHICAGO MARKET PRICE BY CALENDAR YEARS

Note.—Milk cows dollars per head, others in dollars per 100 pounds, live weight Prices are weighted calendar year averages, except the averages for milk cows on farms and calves, sheep, and lambs at Chicago, which are simple averages of monthly prices

Yearly average or year	Milk cows on farms, per head	Beef cattle ¹		Calves, veal		Sheep		Lambs		Hogs	
		Farm	Chicago	Farm	Chicago	Farm	Chicago	Farm	Chicago	Farm	Chicago
1911-1915	52 33	5 54	7 89	7 07	9 30	4 60	5 13	6 01	7 57	6 86	7 60
1916-1920	79 47	8 42	12 91	11 09	14 35	8 97	10 25	11 85	15 05	13 20	14 78
1921-1925	56 29	5 66	9 13	8 10	9 78	6 35	7 02	10 10	13 53	8 29	9 04
1926-1930	79 54	7 78	11 82	10 71	13 07	7 06	6 57	11 02	13 54	9 60	10 23
1919	91 96	9 59	15 50	12 76	16 83	9 63	10 47	12 96	16 31	16 01	17 85
1920	89 51	8 42	13 30	11 86	14 58	8 51	9 49	11 85	15 50	12 88	13 91
1921	59 10	5 50	8 20	7 85	9 36	4 65	5 13	7 19	9 86	7 82	8 51
1922	53 56	5 43	8 65	7 69	9 15	5 96	7 15	9 76	13 68	8 34	9 22
1923	55 43	5 58	9 40	7 99	9 66	6 65	7 10	10 50	13 89	7 10	7 55
1924	55 48	5 55	9 24	8 11	9 86	6 81	7 57	10 75	14 57	7 41	8 11
1925	57 87	6 23	10 16	8 85	10 87	7 70	8 16	12 30	15 66	10 79	11 81
1926	65 51	6 43	9 47	9 61	11 61	7 43	7 25	11 56	14 26	11 74	12 34
1927	74 19	7 23	11 36	10 15	12 90	7 26	7 04	11 41	14 12	9 63	9 95
1928	89 75	9 12	13 91	11 72	14 56	7 68	7 39	12 09	14 99	8 50	9 22
1929	94 10	9 15	13 43	12 17	14 76	7 55	6 87	11 91	14 62	9 33	10 16
1930	74 16	7 46	10 95	9 91	11 51	5 36	4 32	8 15	9 69	8 78	9 47
1931	51 28	5 31	8 06	7 04	8 33	3 43	2 79	5 74	7 26	5 83	6 16
1932	36 95	4 07	6 70	5 00	6 21	2 40	2 20	4 40	5 92	3 44	3 83
1933	33 20	3 63	5 42	4 61	5 88	2 37	2 30	4 78	6 65	3 49	3 94

¹ Chicago prices are for beef steers, all grades, excluding western.

No. 565.—DOMESTIC ANIMALS: MONTHLY AVERAGE PRICES AT CHICAGO

[In dollars per 100 pounds, live weight]

Class and year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug	Sept	Oct.	Nov.	Dec.	Average ¹
Beef steers²													
1928	13.67	13 15	12 83	13 01	13 19	13 86	15 11	15 30	15 91	14.61	13.84	12.86	13 91
1929	12 51	11 92	12 68	13 52	13 67	14 10	14 59	14 22	13 92	13.81	13.00	12 74	13 43
1930	12 62	12 46	12 33	11 88	11 15	10 69	9 42	9 48	10 95	10 64	10 47	10 17	10 95
1931	9 43	8 39	8 40	7 82	7 30	7 43	7 02	8 53	8 29	8 38	8 53	7 11	8 06
1932	6 01	6 21	6 31	6 35	6 04	6 66	7 90	7 88	7 91	7 06	6 29	5 44	6 70
1933	4 95	4 80	5 04	4 96	5 64	5 79	6 01	5 88	5 75	5 53	5 13	5 17	5 42
Calves, veal³													
1928	13.70	15 04	13 75	13 02	13 95	13 24	14 84	16 68	17 36	14 94	14 22	13 94	14 56
1929	15.83	14 74	15 50	14 43	13 39	14 22	15 30	15 81	16 64	13 76	13 70	13 82	14 76
1930	14.80	12 66	11 96	10 55	11 36	11 03	11 37	11 98	11 83	11 33	9 53	9 77	11 51
1931	10.62	9 26	7 98	8 12	8 35	8 48	7 81	9 32	9 28	7 75	6 56	6 40	8 33
1932	7 56	7 52	6 41	5 44	5 70	6 06	6 10	6 80	7 06	5 48	5 09	5 26	6 21
1933	5 57	6 49	5 60	5 18	5 72	5 24	5 94	6 69	7 12	6 47	5 42	5 16	5 85
Sheep:⁴													
1928	7 03	8 96	9 47	10 16	8 53	6 12	6 28	6 72	6 34	6 18	5 84	7 03	7 39
1929	9 32	8 78	9 72	10 34	6 77	6 28	5 85	5 34	4 56	4 70	5 38	5 41	6 87
1930	6 50	5 53	5 59	5 66	5 31	3 83	3 12	3 53	3 50	3 10	3 34	3 22	4 32
1931	3 97	4 25	4 54	3 90	2 78	1 62	2 50	2 03	1 58	1 94	2 16	2 18	2 79
1932	2 62	3 25	3 75	3 08	1 41	1 65	1 66	1 92	1 62	1 59	1 82	2 08	2 20
1933	2 30	2 34	2 48	2 58	2 51	2 34	2 09	2 25	2 14	2 03	2 18	2 55	2 30
Lambs													
1928	13.16	15 39	16 26	16 81	16 10	16 84	15 61	14 72	14 29	13 12	13 31	14 31	14 93
1929	16.37	16 53	17 07	16 82	13 62	15 35	14 38	13 50	13 19	12 73	12 72	13 22	14 62
1930	13.28	11 03	10 28	9 38	9 73	12 28	10 18	9 39	8 24	7 72	7 34	7 43	9 60
1931	8 43	8 19	8 31	9 06	8 55	7 72	6 62	6 88	6 49	5 83	5 64	5 32	7 26
1932	5 88	6 26	6 83	6 69	5 12	6 26	6 22	5 72	5 56	5 12	5 60	5 82	5 92
1933	5 90	5 51	5 41	5 25	6 36	7 50	7 82	7 52	7 16	7 00	6 95	7 37	6 65
Hogs⁵													
1928	8 25	8 08	8 08	9 28	9 67	9 91	10 65	11 53	11 89	9 57	8 83	8 61	9 22
1929	9 22	10 19	11 44	11 41	10 81	10 72	11 20	10 52	9 85	9 38	9 06	9 34	10 16
1930	9 78	10 67	10 17	10 00	10 02	9 62	8 73	9 68	9 76	9 34	8 55	7 92	9 47
1931	7 65	7 06	7 46	7 26	6 53	6 36	6 33	5 98	5 41	5 09	4 61	4 20	6 16
1932	4 00	3 89	4 33	3 85	3 34	3 62	4 58	4 21	4 00	3 50	3 34	3 04	3 83
1933	3 12	3 46	3 88	3 77	4 51	4 49	4 41	3 97	4 24	4 43	4 04	3 25	3 94

¹ Simple averages of monthly prices, except for beef steers and hogs, which are weighted averages.

² Western steers not included

³ Slaughter ewes (culls excluded)

⁴ Good and choice grades

⁵ Packer and shipper purchases

Source of Tables 564 and 565 Bureau of Agricultural Economics, Department of Agriculture.

No. 566.—WHOLESALE PRICES OF MEATS AND ANIMAL PRODUCTS

[All prices are in cents per pound except for eggs, which are in cents per dozen, and milk in cents per quart.
Relative prices based on 1923-1925=100]

Yearly average or year	Hogs, fair to choice, heavy, Chicago		Steers, good to choice, Chicago		Pork, fresh, (composite price), Chicago		Hams, cured, Chicago		Lard, prime, contract, New York		Mutton, dressed, New York		Veal, fresh, good, Chicago	
	Price	Index	Price	Index	Price	Index	Price	Index	Price	Index	Price	Index	Price	Index
1891-1895	5 08	53 6	4 78	47 3	-----	-----	10 6	46 5	7 8	55 3	7 6	55 9	-----	-----
1896-1900	3 98	41 9	4 94	49 0	-----	-----	9 2	40 4	5 4	38 3	7 1	52 2	-----	-----
1901-1905	5 89	62 1	5 52	54 7	-----	-----	11 4	50 0	8 6	61 0	7 6	55 9	-----	-----
1906-1910	6 93	73 1	6 13	60 7	-----	-----	13 2	57 9	10 3	73 0	9 1	66 9	-----	-----
1911-1915	7 64	80 6	8 28	82 0	-----	-----	15 4	67 5	10 1	71 6	9 4	69 1	-----	1 58 2
1916-1920	15 07	159 0	14 16	140 3	-----	-----	2 6	125 4	21 9	153 3	16 4	120 6	-----	83 2
1921-1925	9 26	97 7	9 70	96 1	16 1	100 0	24 3	106 6	13 0	92 2	12 6	92 6	16 1	98 3
1926-1930	10 41	109 8	12 25	121 3	18 7	110 1	25 1	110 1	12 6	89 4	13 4	98 5	20 2	125 5
1929	10 32	108 9	13 49	133 7	18 3	113 7	21 4	107 0	12 0	85 1	11 1	103 7	22 8	141 6
1930	9 61	101 4	11 03	109 3	17 5	108 7	23 0	100 9	10 9	77 3	10 0	73 5	17 9	111 2
1931	6 14	64 8	8 76	86 8	12 3	76 4	18 1	79 4	8 0	50 7	8 3	61 0	12 8	79 5
1932	3 82	40 3	7 80	77 3	7 5	48 4	13 3	58 3	5 0	35 5	7 0	51 5	9 1	56 5
1933	3 98	42 0	5 78	57 3	8 0	49 7	12 1	53 1	5 7	40 4	6 0	44 1	9 1	56 5
	Beef, fresh, carcass, steers, Chicago		Beef, fresh, native sides, New York		Poultry, dressed, Chicago		Butter, creamery, extra, New York		Cheese, whole milk, New York		Eggs, fresh, New York		Milk, fresh, New York	
	Price	Index	Price	Index	Price	Index	Price	Index	Price	Index	Price	Index	Price	Index
1891-1895	-----	-----	7 9	52 0	-----	-----	24 7	54 9	9 3	46 6	-----	42 9	3 3	45 2
1896-1900	-----	-----	7 8	51 3	-----	-----	20 1	44 7	9 8	44 3	-----	38 1	3 1	42 5
1901-1905	-----	-----	8 3	54 6	-----	-----	23 3	51 8	11 2	50 7	-----	50 7	3 4	46 6
1906-1910	4 11 0	4 64 7	9 1	59 9	-----	-----	27 9	62 0	14 3	64 7	-----	60 1	4 0	54 8
1911-1915	12 8	75 3	12 1	79 6	14 3	1 58 1	30 0	66 7	15 2	68 8	1 25 7	67 7	4 2	57 5
1916-1920	19 8	116 5	18 6	122 4	25 3	102 8	50 1	111 8	25 6	115 8	45 6	123 2	7 1	97 3
1921-1925	16 4	96 5	14 8	97 4	25 0	101 6	43 8	97 3	21 7	98 2	37 2	100 5	7 4	101 4
1926-1930	20 3	119 4	18 5	121 7	24 3	98 8	44 1	98 0	23 0	104 1	33 0	89 2	8 2	112 3
1929	23 1	135 9	21 0	138 2	24 2	98 4	44 9	99 8	23 6	106 8	36 8	99 5	8 6	117 8
1930	20 7	121 8	17 6	115 8	24 2	98 4	36 4	80 9	18 9	85 5	27 8	75 1	8 3	113 7
1931	15 6	91 8	13 4	88 2	19 3	78 5	28 3	62 9	14 8	67 0	22 5	60 8	7 4	102 7
1932	13 1	77 1	11 7	77 0	14 3	58 1	21 0	46 7	12 0	54 3	19 3	52 2	5 1	69 9
1933	9 5	55 9	9 2	60 5	12 0	48 8	21 7	48 2	13 2	59 7	17 2	46 5	5 2	71 2

¹ Average for 1913 to 1915

² Average for 1923 to 1925

³ Index numbers are based on quotations for "new laid, fair to fancy, near-by" prior to 1913, they have been adjusted, however, for difference in grade and are closely comparable.

⁴ Average for 1908 to 1910

Source: Absolute prices, Bureau of Labor Statistics, Department of Labor, indexes, computed from absolute prices by Bureau of Foreign and Domestic Commerce

No. 567.—FARM PRICES OF ANIMALS AND ANIMAL PRODUCTS

NOTE.—All prices are in cents per pound except for eggs which are in cents per dozen. Prices represent weighted averages for the entire country. Annual averages are weighted according to volume marketed each month. Market year begins in October for hogs, June for lambs, July for chickens, April for eggs. Quotations are as of the 15th of each month

Market year beginning—	Hogs	Lambs	Chick-ens	Eggs	Calendar year	Beef cattle	Veal calves	Sheep	Wool	Butter	But-ter-fat
1910-1914	6 92	5 93	11 2	19 1	1910-1914	5 30	6 83	4 60	17 7	25 2	25 8
1915-1920	12 20	11 10	19 2	31 9	1915-1920	8 02	10 51	8 35	41 0	39 5	41 2
1921-1925	8 81	10 42	19 1	25 9	1921-1925	5 66	8 10	6 35	32 1	38 6	39 4
1926-1930	8 81	10 61	19 8	25 5	1926-1930	7 88	10 71	7 06	30 2	41 5	42 1
1923	6 85	10 54	18 3	25 2	1924	5 55	8 11	6 81	36 9	39 4	39 8
1924	10 15	11 45	19 2	26 1	1925	6 23	8 85	7 70	38 5	40 7	41 9
1925	11 55	11 98	20 7	28 3	1926	6 43	9 61	7 43	32 5	41 1	41 3
1926	10 28	11 36	20 7	27 5	1927	7 23	10 15	7 26	30 7	42 3	43 7
1927	8 59	11 76	19 8	24 2	1928	9 12	11 72	7 68	36 7	43 7	45 6
1928	9 28	12 31	22 1	27 4	1929	9 15	12 17	7 55	30 9	43 8	44 9
1929	8 95	10 71	20 4	27 9	1930	7 49	9 91	5 36	20 3	36 8	34 8
1930	6 95	6 92	16 1	20 5	1931	5 31	7 04	3 43	13 9	27 4	24 7
1931	3 78	4 97	13 8	15 5	1932	4 07	5 00	2 40	9 0	20 7	17 6
1932	3 36	4 21	10 0	11 8	1933	3 63	4 61	2 37	18 6	20 2	19 1
Dec, 1932	2 73	3 95	9 2	28 1	Dec, 1932	3 41	4 16	2 04	9 2	21 3	21 1
Dec, 1933	2 92	4 92	8 6	21 6	Dec, 1933	3 12	4 20	2 45	9 2	21 0	18 0
Jan, 1934	3 06	5 50	9 4	17 6	Jan, 1934	3 33	4 46	2 71	24 6	19 6	16 1
Feb, 1934	3 87	6 55	10 2	15 8	Feb, 1934	3 67	5 02	3 46	25 4	21 7	21 6
Mar, 1934	3 88	6 79	10 7	14 4	Mar, 1934	3 79	4 95	3 66	20 9	22 7	23 5

¹ Unwashed.

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 568.—MEATS AND LARD: PRODUCTION, EXPORTS, IMPORTS, AND CONSUMPTION, AND NUMBER OF ANIMALS SLAUGHTERED UNDER FEDERAL INSPECTION

NOTE.—All figures, except per capita, in millions of pounds. Uninspected slaughter is estimated by use of average carcass weights and dressing percentages obtained from packers and stockyards data, census reports, etc. The edible offal (liver, pluck, etc.) is disregarded. Exports include shipments to noncontiguous territories. Figures of consumption beginning with 1916 include differences between quantities in storage at beginning and end of year. Estimates of uninspected slaughter for 1933 are not yet available.

Yearly average or year (calendar)	Production			Exports	Imports (less re- exports)	Consumption	
	Esti- mated total	Feder- ally inspected	Unin- spected ¹			Esti- mated total	Per capita (pounds)
All meat (excluding lard) ²							
1910-1914.....	13,776	8,256	5,520	506	³ 171	13,239	139.2
1915-1920.....	15,049	9,325	5,125	1,603	90	13,204	128.3
1921-1925.....	16,852	11,030	5,322	794	38	15,989	142.9
1926-1930.....	16,854	11,176	5,678	866	107	16,544	137.8
1930.....	16,538	10,898	5,640	345	63	16,367	132.8
1931.....	16,777	11,048	5,729	223	24	16,530	133.2
1932.....	16,800	10,659	6,141	193	29	16,652	133.4
1933.....		1,546		225			
Beef:							
1910-1914.....	6,109	3,761	2,347	79	³ 144	6,059	63.8
1915-1920.....	6,541	4,681	1,860	365	66	6,143	59.6
1921-1925.....	6,791	4,619	2,172	44	23	6,770	60.5
1926-1930.....	6,501	4,558	1,944	30	88	6,602	55.0
1930.....	6,076	4,245	1,831	29	57	6,172	50.1
1931.....	6,132	4,278	1,854	28	20	6,156	49.6
1932.....	5,896	3,940	1,956	⁴ 30	25	5,917	47.4
1933.....		4,541		⁴ 36	44		
Veal:							
1910-1914.....	552	195	358		⁴ 5	553	5.8
1915-1920.....	665	297	368		3	667	6.5
1921-1925.....	868	449	419		4	869	7.8
1926-1930.....	858	479	379		5	863	7.2
1930.....	833	459	374		2	835	6.8
1931.....	860	473	387			860	6.9
1932.....	849	454	395			849	6.8
1933.....		505					
Mutton and lamb:							
1910-1914.....	711	552	159	4	⁵ 18	710	7.4
1915-1920.....	555	430	126	5	17	566	5.5
1921-1925.....	584	456	128	4	8	590	5.3
1926-1930.....	696	544	151	2	⁶ 3	696	5.8
1930.....	620	650	170	2		819	6.6
1931.....	873	688	190	2		878	7.1
1932.....	875	682	193	1		874	7.0
1933.....		673		2			
Pork (excluding lard):							
1910-1914.....	6,361	3,733	2,628	422	³ 16	5,873	61.7
1915-1920.....	7,273	4,513	2,760	1,273	5	5,813	56.5
1921-1925.....	8,607	5,506	3,101	746	4	7,754	69.3
1926-1930.....	8,798	5,595	3,203	354	11	8,382	69.8
1930.....	8,809	5,544	3,265	314	4	8,541	69.3
1931.....	8,907	5,609	3,298	193	4	8,636	69.6
1932.....	9,180	5,583	3,597	⁴ 162	6	9,012	72.2
1933.....		5,827		⁴ 187	3		
Lard							
1910-1914.....	1,614	948	666	519		1,095	11.5
1915-1920.....	1,877	1,178	698	556		1,321	12.9
1921-1925.....	2,445	1,660	785	896		1,552	13.9
1926-1930.....	2,443	1,621	822	758		1,683	14.0
1930.....	2,344	1,521	823	674		1,701	13.8
1931.....	2,385	1,554	831	601		1,784	14.4
1932.....	2,463	1,573	890	576		1,897	15.2
1933.....		1,679		612			

NUMBER OF ANIMALS SLAUGHTERED UNDER FEDERAL INSPECTION (THOUSANDS)

Year	Cattle	Calves	Sheep	Goats	Swine	Year	Cattle	Calves	Sheep	Goats	Swine
1910-1914.....	7,283	2,060	13,808	93	31,986	1924.....	9,593	4,935	11,991	33	52,873
1915-1920.....	9,390	3,135	11,249	131	39,403	1925.....	9,853	5,353	12,001	39	43,043
1921-1925.....	8,979	4,556	11,891	26	46,269	1926.....	10,180	5,153	12,961	32	40,636
1926-1930.....	8,932	4,759	14,010	-----	45,355	1927.....	9,520	4,876	12,883	23	43,633
1918.....	11,829	3,456	10,320	138	41,214	1928.....	8,467	4,680	13,488	19	49,795
1919.....	10,091	3,969	12,691	87	41,812	1929.....	8,324	4,489	14,023	27	48,445
1920.....	8,609	4,058	10,982	42	38,019	1930.....	8,170	4,595	16,697	11	44,266
1921.....	7,608	3,808	13,005	12	38,982	1931.....	8,108	4,717	18,071	7	44,772
1922.....	8,678	4,182	10,929	21	43,114	1932.....	7,625	4,492	17,899	7	45,245
1923.....	9,163	4,500	11,529	27	53,334	1933.....	8,655	4,907	17,354	6	47,226

¹ Estimated. ² Includes small quantities of goat meat.

³ Includes "sausage ingredients" not included prior to 1932 as this item was not reported separately.

⁴ 1914 only.

⁵ 4-year average.

⁶ 2-year average.

Source: Bureau of Animal Industry, Department of Agriculture.

No. 569.—MILK, BUTTERFAT, AND BUTTER: CENSUS STATISTICS, BY STATES

Division and State	Milk produced (thousands of gallons)		Milk sold by farmers (thou- sands of gallons)		Butterfat sold (thousands of pounds)		Butter made (thousands of pounds)		
	1924 ¹	1929	1924	1929	1924	1929	1924 (Total) ²	1929	
								On farms	In fac- tories ³
United States.....	9,198,304	11,052,023	2,686,612	4,455,639	1,061,062	1,179,906	2,096,287	542,064	1,615,688
New England.....	402,765	415,304	205,540	300,149	32,825	11,781	31,678	13,703	-----
Maine.....	70,949	71,101	18,289	28,060	5,296	3,163	9,667	8,188	(6)
New Hampshire.....	38,146	40,680	21,026	29,402	1,815	427	2,477	1,769	(6)
Vermont.....	127,957	139,073	40,357	100,144	24,802	7,747	13,961	2,218	5,137
Massachusetts.....	86,575	85,421	65,849	73,375	1,057	310	3,024	818	1,230
Rhode Island.....	13,504	14,800	11,302	13,522	1	10	7,132	53	(6)
Connecticut.....	65,631	64,137	48,627	55,146	377	98	7,1494	657	(6)
Middle Atlantic.....	1,264,501	1,362,227	883,182	1,122,986	36,014	12,546	83,256	33,116	-----
New York.....	741,983	800,524	552,804	682,504	19,451	6,202	40,343	13,993	9,355
New Jersey.....	76,245	81,772	60,909	73,706	1,215	24	4,945	578	(6)
Pennsylvania.....	440,273	479,931	209,469	366,716	15,348	6,320	41,968	18,542	11,854
East North Central.....	2,614,917	2,983,768	920,994	1,672,996	368,345	283,775	534,306	54,995	436,237
Ohio.....	420,834	454,117	159,816	227,151	45,766	45,643	108,945	14,501	89,330
Indiana.....	270,963	332,183	86,062	142,720	39,051	41,256	99,140	8,754	56,008
Illinois.....	435,133	506,374	196,557	238,287	32,522	50,631	86,640	16,313	73,887
Michigan.....	424,230	449,756	144,911	221,411	51,608	46,713	92,207	12,414	61,076
Wisconsin.....	1,068,701	1,241,338	353,648	843,427	199,438	99,492	177,374	3,013	155,306
West North Central.....	2,275,079	2,919,936	167,103	327,795	424,377	602,875	818,319	94,490	834,724
Minnesota.....	603,638	825,441	50,829	95,757	156,308	188,798	284,386	10,246	288,630
Iowa.....	515,910	647,224	35,379	64,538	98,688	140,521	191,688	14,679	213,731
Missouri.....	273,956	369,134	30,297	67,005	31,743	55,673	88,543	20,996	66,951
North Dakota.....	199,037	227,819	3,038	8,210	33,259	47,519	47,455	13,361	38,955
South Dakota.....	172,968	231,187	5,145	9,590	33,747	50,439	40,129	9,815	40,594
Nebraska.....	197,601	292,988	13,876	29,932	31,243	52,702	88,731	13,060	106,199
Kansas.....	251,969	320,193	28,539	52,763	39,299	57,133	67,387	12,827	59,364
South Atlantic.....	587,849	644,881	120,956	192,533	8,520	17,239	118,038	105,887	-----
Delaware.....	13,037	14,757	8,551	11,435	181	33	7,812	480	(6)
Maryland.....	74,043	87,786	42,983	65,080	1,891	812	6,050	3,626	183
Dist. of Col.....	-----	504	439	476	-----	-----	-----	3	(6)
Virginia.....	127,447	145,525	24,241	38,539	2,911	6,698	28,846	22,916	5,497
West Virginia.....	76,621	83,868	10,425	16,051	4,061	16,744	12,874	463	-----
North Carolina.....	108,151	119,992	11,222	19,792	2,003	2,003	2,952	26,158	2,230
South Carolina.....	49,982	52,525	3,214	7,673	326	482	12,863	11,637	2,469
Georgia.....	98,822	113,640	11,310	17,958	906	3,043	25,771	26,690	2,158
Florida.....	19,265	26,284	8,571	14,629	48	107	25,771	1,783	1,061
East South Central.....	499,612	646,606	47,541	127,626	18,703	39,173	141,802	107,013	46,992
Kentucky.....	165,921	220,624	17,496	38,612	9,619	43,207	83,207	22,580	20,633
Tennessee.....	148,759	181,790	15,591	43,608	5,209	10,120	44,857	23,331	17,237
Alabama.....	93,365	123,548	7,129	16,760	1,967	1,808	20,044	32,064	2,154
Mississippi.....	89,567	130,644	7,326	28,346	2,908	4,609	24,094	21,832	6,938
West South Central.....	588,777	848,817	64,553	135,875	23,508	71,526	141,352	109,665	56,250
Arkansas.....	98,769	128,569	5,758	13,345	2,073	8,965	29,267	23,999	2,985
Louisiana.....	37,870	58,289	10,935	14,736	76	715	4,958	5,816	-----
Oklahoma.....	177,597	249,261	12,358	32,448	16,310	33,145	41,958	21,734	27,510
Texas.....	274,541	412,708	35,502	75,148	5,049	28,701	70,127	58,016	24,997
Mountain.....	362,431	469,473	54,858	135,187	52,609	66,411	87,227	15,645	79,680
Montana.....	73,186	87,378	6,175	12,546	9,886	13,868	20,164	4,602	13,975
Idaho.....	78,505	104,667	8,805	28,449	14,490	17,417	20,129	2,450	23,571
Wyoming.....	24,318	32,879	2,112	6,901	3,524	4,886	3,954	1,854	2,864
Colorado.....	96,649	121,900	17,703	30,052	14,081	17,208	24,059	3,679	22,630
New Mexico.....	19,027	24,491	3,687	4,779	1,919	3,019	2,055	1,321	-----
Arizona.....	18,416	21,005	6,855	11,954	1,728	1,306	2,589	511	2,613
Utah.....	40,847	65,039	7,507	32,419	5,651	6,050	11,052	1,752	11,793
Nevada.....	11,483	12,108	1,734	2,030	2,030	2,657	2,755	176	2,278
Pacific.....	622,373	761,011	201,885	440,692	96,161	74,600	133,874	7,670	121,702
Washington.....	169,846	180,104	45,819	91,791	27,217	19,595	34,560	3,196	28,698
Oregon.....	112,218	135,377	25,598	51,785	18,990	19,837	29,908	2,639	22,826
California.....	340,309	445,530	130,469	297,116	49,954	35,048	78,406	1,944	69,181

¹ Including estimates for incomplete reports.² Figures given are inclusive of small amounts of butter made as an incidental product in establishments engaged primarily in the manufacture of products other than butter, cheese, or condensed milk.³ Includes butter made on farms in 1924 and in factories in 1925.⁴ Includes 1,035,000 pounds of butter made in factories in New Hampshire, Connecticut, Rhode Island, New Jersey, and Delaware in 1925, and 463,000 pounds made in factories in Maine, New Hampshire, Rhode Island, Connecticut, and Delaware in 1929. The reports for these States are not shown separately. (See Note 6.)⁵ Excludes small amount of butter made in factories of one or more States in this group.⁶ Not shown separately, as to do so would disclose individual operations.⁷ Excludes butter made in factories.⁸ No butter reported.

Source Bureau of the Census, Department of Commerce.

**No. 570.—LIVESTOCK PRODUCTS OF FARMS: SUMMARY OF CENSUS
STATISTICS FOR THE UNITED STATES**

Product	Quantity (thousands)				Value (thousands of dollars)			
	Unit	1909	1919	1924	1929	1919	1924	1929
Total value.....						2, 666, 944	2, 345, 219	3, 307, 325
Dairy products.....						1, 481, 462	1, 260, 778	1, 818, 482
Butter made on farms.....	Lb.....	994, 651	707, 666	642, 803	542, 064	346, 355	228, 139	216, 898
Butter sold.....	do.....	415, 080	207, 860	(1)	135, 045	106, 974	(1)	56, 056
Cheese made on farms.....	do.....	9, 406	6, 371	(1)	(1)	2, 268	(1)	(1)
Whole milk sold.....	Gal.....	1, 937, 256	2, 529, 331	2, 666, 612	4, 455, 639	717, 380	555, 269	1, 036, 650
Cream sold.....	do.....	54, 934	52, 248	45, 736	15, 846	111, 906	62, 059	26, 139
Butterfat sold.....	Lb.....	305, 663	532, 244	1, 061, 062	1, 179, 906	303, 552	415, 311	538, 795
Wool and mohair.....	do.....	293, 199	235, 604	235, 531	310, 425	124, 007	93, 122	96, 212
Wool produced.....	do.....	289, 420	228, 795	227, 105	295, 964	120, 418	88, 630	89, 415
Mohair produced.....	do.....	3, 779	6, 809	8, 426	14, 461	3, 589	4, 491	6, 797
Eggs and chickens.....						1, 047, 195	991, 319	1, 380, 371
Chicken eggs produced.....	Doz.....	1, 574, 979	1, 654, 045	1, 913, 245	2, 689, 719	2, 661, 083	2, 571, 938	799, 261
Eggs sold.....	do.....	926, 466	1, 010, 813	(1)	1, 955, 459	404, 563	(1)	585, 868
Chickens raised ⁴	No.....	2, 600, 611	2, 473, 201	2, 545, 848	673, 092	2, 856, 112	2, 419, 381	581, 110
Chickens sold.....	do.....	153, 600	140, 811	(1)	284, 626	119, 723	(1)	262, 516
Honey and wax.....						14, 280	(1)	12, 260
Honey produced.....	Lb.....	54, 815	55, 224	(1)	83, 546	13, 989	(1)	12, 260
Wax produced.....	do.....	905	821	(1)	(1)	291	(1)	(1)

¹ Not reported² Figures include estimates for incomplete reports³ Eggs of all kinds⁴ Data for other poultry raised in 1929 were as follows: Turkeys, 16,794,485, valued at \$47,767,826; ducks, 11,337,487, valued at \$12,211,317; and geese, 3,989,831, valued at \$6,643,746⁵ Fowls of all kinds

No. 571.—DAIRY PRODUCTS: FACTORY PRODUCTION BY DETAILED CLASSES

[In thousands of pounds]

Manufactured product	1927	1928	1929	1930	1931	1932
Creamery butter ¹	1,497,712	1,488,146	1,598,248	1,597,747	1,667,452	1,694,132
Renovated or process butter.....	4,286	2,716	2,531	1,850	1,236	950
American cheese (whole milk).....	307,777	335,253	370,314	378,816	374,648	370,743
American cheese (part skim).....	3,390	2,900	4,951	3,653	3,108	3,319
American cheese (full skim).....	1,888	3,048	1,074	669	416	225
Swiss cheese (including block).....	18,141	16,718	19,406	26,393	28,234	25,533
Brick and Munster cheese.....	31,546	28,960	31,763	33,548	35,484	36,973
Limburger cheese.....	8,842	7,437	8,568	8,473	8,508	7,897
Cream and Neufchatel cheese.....	25,962	30,589	34,405	33,213	33,637	31,608
All Italian varieties of cheese.....	3,377	3,587	5,948	8,573	3,493	3,795
All other varieties of cheese.....	5,763	9,027	7,504	7,029	4,851	4,010
Cottage, pot, and bakers' cheese.....	75,679	87,525	94,941	97,641	101,617	103,524
Condensed milk (sweetened)						
Skimmed.....	145,345	156,089	204,107	161,063	142,118	122,090
Unskimmed.....	201,023	177,737	197,611	184,047	143,356	112,916
Evaporated milk (unsweetened)						
Skimmed.....	134,185	158,243	153,624	157,862	145,502	138,646
Unskimmed.....	1,375,169	1,426,358	1,651,306	1,577,352	1,539,031	1,666,664
Condensed or evaporated buttermilk.....	99,180	102,452	107,288	96,431	64,619	52,167
Dried or powdered buttermilk.....	38,435	45,502	54,215	64,601	50,535	48,712
Powdered whole milk.....	11,464	9,605	13,202	15,440	12,627	11,983
Powdered skimmed milk.....	118,123	147,996	207,579	260,675	261,938	270,194
Powdered cream.....	338	673	294	400	161	80
Dried casein (skim-milk or buttermilk product).....	18,033	22,151	30,537	41,965	35,335	24,428
Malted milk.....	22,116	21,128	22,850	22,691	19,197	13,215
Milk sugar (crude).....	4,077	5,323	8,965	12,779	9,562	3,700
Ice cream of all kinds ²	226,756	232,185	254,618	240,750	208,239	154,604

¹ Includes butter made from whey cream² Production of ice cream shown in thousands of gallons.

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 572.—WHOLE MILK REQUIRED FOR FACTORY PRODUCTS¹

Manufactured products	Whole milk required per unit of product	1930			1931			1932		
		Quantity of product manufactured	Whole milk required	Per cent of milk manufactured	Quantity of product manufactured	Whole milk required	Per cent of milk manufactured	Quantity of product manufactured	Whole milk required	Per cent of milk manufactured
		Pounds	Million pounds	100 00	Pounds	Million pounds	100 00	Pounds	Million pounds	100 00
Total milk required.....			45,007			45,802			45,578	
Butter ²	20 3	1,598	32,340	71 86	1,667	33,906	74 03	1,694	34,386	75 41
Cheese (all kinds).....	10 1	500	5,061	11.24	492	4,973	10 86	484	4,853	10 71
Condensed and evaporated milk.....	2 2	1,761	3,827	8 50	1,682	3,653	7 98	1,780	3,858	8 46
Powdered milk.....	7.6	15	118	.26	13	96	.21	12	91	.20
Powdered cream.....	19 9	(³)	8	.02	(³)	3	.01	(³)	2	.01
Malted milk.....	2 7	23	60	13	19	51	.11	13	35	.08
Ice cream (factory).....	3 2	1,136	3,592	7 98	983	3,121	6 81	730	2,323	5 10

¹ Quantities of milk required are based on plant milk and cream receipts. Allowance has been made for duplication principally in fat recovered from whey and in the use of such manufactured products as butter and evaporated or condensed milk in ice cream.

² Creamery and whey.

³ Less than 500,000 pounds.

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 573.—BUTTER AND CHEESE: PRODUCTION, GROSS RECEIPTS AT FIVE PRINCIPAL MARKETS, AND COLD-STORAGE HOLDINGS

NOTE.—All figures in thousands of pounds. Cheese production relates to the grade "American" (whole milk) only, receipts to all kinds.

Product and market	1921-1925, average	1926-1930, average	1929	1930	1931	1932	1933
BUTTER							
Production, creamery ¹	1,233,655	1,525,514	1,597,027	1,595,231	1,667,452	1,694,132	² 1,736,141
Receipts (5 markets) ³	643,166	886,558	704,116	882,663	712,390	703,825	761,129
New York.....	238,240	259,097	265,760	265,070	274,218	282,520	290,449
Chicago.....	228,995	236,106	244,632	233,638	243,695	223,428	261,001
Philadelphia.....	68,086	83,343	87,386	83,762	90,585	92,243	92,387
Boston.....	81,413	81,764	81,193	72,455	77,200	81,984	88,275
San Francisco.....	26,431	25,648	25,155	24,738	26,692	28,750	29,017
Cold-storage holdings, Dec 1 ⁴	67,999	83,650	111,650	88,012	42,242	37,207	138,166
CHEESE							
Production, American.....	304,915	345,615	370,314	378,816	374,648	370,743	² 381,291
Receipts (5 markets) ³	207,821	193,169	178,899	184,199	148,656	157,022	152,205
New York.....	48,127	48,730	50,911	52,165	56,005	61,195	59,850
Chicago.....	115,674	95,138	80,823	58,866	41,555	42,804	36,889
Philadelphia.....	18,920	20,406	19,973	21,167	20,949	22,081	23,280
Boston.....	14,336	15,834	14,899	16,882	17,240	16,593	17,680
San Francisco.....	10,763	13,062	12,293	15,119	12,907	14,349	14,506
Cold-storage holdings, Dec 1 ⁴							
American.....	50,330	66,770	71,065	71,132	60,583	62,392	85,146
All other.....	16,150	16,412	15,884	16,039	17,982	11,524	13,863

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
BUTTER												
Production, creamery ¹												
1931.....	118,354	109,596	126,792	145,367	183,783	194,256	161,296	140,395	120,936	126,569	117,035	123,073
1932.....	124,320	124,894	133,095	141,741	186,607	190,644	163,370	149,625	127,386	121,819	109,790	120,841
1933.....	127,076	119,212	129,379	135,371	187,205	200,712	177,638	166,884	138,800	129,689	112,413	111,762
Receipts (5 markets) ³												
1931.....	53,340	50,529	57,011	62,633	72,275	86,676	68,326	52,659	50,083	51,242	52,486	55,130
1932.....	56,775	50,971	58,214	67,945	75,553	83,229	66,513	60,407	49,935	46,267	47,234	50,020
1933.....	58,293	51,337	58,133	55,145	74,617	83,921	73,497	73,306	63,018	58,313	55,060	56,489
CHEESE												
Production, American:												
1931.....	21,941	22,018	27,571	32,940	44,439	49,513	40,595	32,956	29,139	30,470	23,016	20,050
1932.....	20,895	21,993	25,484	29,706	41,933	48,534	40,205	34,796	31,510	29,267	23,601	22,819
1933.....	23,815	22,124	26,186	29,578	43,422	51,142	46,209	39,651	33,897	28,006	18,027	19,234
Receipts (5 markets) ³												
1931.....	11,600	10,406	11,717	11,445	12,145	17,480	14,190	14,264	11,948	13,588	10,569	9,304
1932.....	11,362	12,075	11,759	10,765	13,972	15,730	16,492	14,855	12,771	13,320	12,505	11,407
1933.....	10,768	9,982	12,725	12,729	16,036	13,989	16,923	12,656	12,171	12,709	10,771	10,746

¹ Includes whey butter beginning 1931.

² Estimates.

³ Gross weight.

⁴ Net weight.

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 574.—BUTTER, BUTTERFAT, AND CHEESE: WHOLESALE PRICE OF BUTTER AND CHEESE AT NEW YORK AND FARM PRICE OF BUTTER AND BUTTERFAT

NOTE.—Prices in cents per pound. Farm prices represent weighted averages for the entire country. Wholesale prices are for 92-score creamery butter and No. 1 American, flats cheese. Annual prices are for the calendar year.

Year (see headnote)	Butter		Butterfat (farm)	Cheese (New York)	Month	Butter (New York)		Butterfat (farm)		Cheese (New York)	
	Farm	New York				1932	1933	1932	1933	1932	1933
1913.....	26 7	32	27 4	15	January.....	24	20	22 8	18 9	14	12
1923.....	40 4	47	42 2	1 25	February.....	22	19	19 8	15 8	13	11
1924.....	39 4	43	39 8	21	March.....	23	18	19 5	15 1	13	11
1925.....	40 7	45	41 9	24	April.....	20	21	17 8	16 5	12	(2)
1926.....	41 1	44	41 3	2 23	May.....	19	23	16 3	20 2	12	(2)
1927.....	42 3	47	43 7	4 25	June.....	17	23	14 6	19 7	11	(2)
1928.....	43 7	47	45 6	25	July.....	18	25	14 4	23 0	(2)	(2)
1929.....	43 8	45	44 9	24	August.....	20	21	17 5	18 4	14	(2)
1930.....	36 8	37	34 8	19	September.....	21	24	17 6	19 6	14	(2)
1931.....	27 4	28	24 7	15	October.....	21	24	17 8	20 1	14	13
1932.....	20 7	21	17 6	13	November.....	23	24	18 4	20 4	13	13
1933.....	20 2	22	19 1	12	December.....	24	20	21 1	18 0	13	12

¹ 11-month average ² Not available ³ 9-month average ⁴ 7-month average ⁵ 6-month average.

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 575.—OLEOMARGARINE: PRODUCTION AND MATERIALS USED

NOTE.—All figures in thousands of pounds. Figures for production by kind of oil used are as reported to the Bureau of Agricultural Economics, Department of Agriculture, while other production figures are as reported to the Commissioner of Internal Revenue for taxation purposes. Colored oleomargarine is taxed 10 cents per pound, uncolored, 3/4 cent per pound.

Year ended June 30—	Oleomargarine production			District or material	Year ended June 30—			
	Total	Colored	Uncolored		1930	1931	1932	1933
1913.....	145,228	6,520	138,707	PRODUCTION BY STATES				
1914.....	144,021	6,384	137,637	California.....	38,823	31,049	26,175	28,133
1915.....	145,810	7,595	138,215	Colorado.....	1,619	856	552	451
1916.....	152,510	6,749	145,761	Illinois.....	157,955	120,422	93,062	87,692
1917.....	233,170	8,012	225,158	Indiana.....	4,369	3,914	4,592	8,946
1918.....	326,529	6,595	319,934	Kansas.....	23,440	18,799	16,388	12,770
1919.....	359,217	13,849	345,368	Maryland.....	8,520	6,120	4,829	5,613
1920.....	391,280	15,624	375,656	Massachusetts.....	3,462	2,391	1,632	1,527
1921.....	281,052	11,061	269,991	Michigan.....	6,374	5,637	9,436	10,453
1922.....	190,950	6,604	184,346	Minnesota.....	2,769	1,731	1,107	963
1923.....	209,182	8,260	200,922	Missouri.....	12,735	10,766	6,288	3,857
1924.....	239,699	11,543	228,151	Nebraska.....	2,899	2,183	1,341	910
1925.....	215,403	11,280	204,123	New Jersey.....	31,471	24,534	21,216	18,155
1926.....	248,047	13,181	234,866	Ohio.....	31,523	29,074	24,716	36,148
1927.....	257,157	14,502	242,655	Oregon.....	4,224	2,569	664	898
1928.....	294,699	15,351	279,348	Rhode Island.....	1,074	710	339	253
1929.....	333,122	16,306	316,816	Texas.....	4,845	3,410	2,338	2,262
1930.....	349,124	17,103	332,021	Wisconsin.....	9,191	5,886		
1931.....	277,773	8,847	268,926	All other.....	3,531	4,724	670	
1932.....	215,342	4,636	210,706	MATERIAL CONSUMED				
1933.....	219,043	2,813	216,230	Total.....	424,648	334,891	247,365	243,836
1932 ¹				Oleo oil.....	45,322	28,040	15,315	12,457
Total.....	197,716	3,438	194,278	Coconut oil.....	185,066	155,954	127,967	134,430
Combined animal and vegetable oil.....	41,070	2,467	38,603	Cottonseed oil.....	30,214	22,037	14,874	16,031
Exclusively vegetable oil.....	156,646	971	155,675	Milk.....	97,753	77,253	54,257	52,007
1933 ¹				Palm oil.....	1,102	2,773	314	388
Total.....	242,232	2,504	239,728	Peanut oil.....	5,714	5,291	3,780	2,338
Combined animal and vegetable oil.....	42,520	1,801	40,719	Salt.....	28,890	22,981	14,659	12,598
Exclusively vegetable oil.....	199,712	703	199,009	Oleostearine.....	6,269	5,485	4,337	3,283
				Neutral lard.....	19,632	10,180	10,557	9,130
				Oleo stock.....	1,189	1,025	641	573
				Butter.....	2,616	1,013	39	16
				Miscellaneous.....	1,983	2,862	625	585

¹ Calendar year.

Source: Commissioner of Internal Revenue, Treasury Department, and Bureau of Agricultural Economics, Department of Agriculture.

No. 576.—CHICKENS ON FARMS, CHICKENS RAISED, AND EGGS PRODUCED

NOTE.—For additional figures for United States as a whole, see Table 570

Division and State	Chickens on hand (thousands)			Chickens raised (thousands)			Eggs produced (thousands of dozens)		
	1920 (Jan 1)	1925 (Jan 1)	1930 (Apr 1) ¹	1919 ²	1924 ²	1929	1919 ²	1924 ²	1929
United States.....	359, 537	409, 291	378, 873	473, 201	545, 948	673, 092	1, 654, 045	1, 913, 245	2, 689, 719
New England.....	5, 804	8, 138	6, 882	8, 376	13, 439	16, 502	37, 632	56, 540	63, 103
Maine.....	1, 403	1, 900	1, 451	1, 908	2, 838	3, 238	9, 977	13, 613	13, 737
New Hampshire.....	771	1, 207	914	1, 071	2, 442	2, 670	5, 005	8, 181	8, 537
Vermont.....	800	941	749	1, 016	1, 339	1, 378	5, 167	6, 372	6, 680
Massachusetts.....	1, 455	2, 030	1, 926	2, 401	3, 631	5, 088	9, 604	14, 325	18, 102
Rhode Island.....	254	361	305	434	619	608	1, 537	2, 275	2, 469
Connecticut.....	1, 120	1, 699	1, 537	1, 546	2, 670	3, 511	6, 341	11, 775	13, 578
Middle Atlantic.....	27, 452	34, 829	31, 497	31, 059	39, 779	53, 153	151, 453	216, 632	253, 507
New York.....	10, 415	13, 409	11, 954	11, 873	14, 941	19, 518	62, 175	87, 167	97, 927
New Jersey.....	2, 534	4, 114	4, 097	3, 523	5, 492	7, 995	13, 280	27, 417	35, 956
Pennsylvania.....	14, 503	17, 306	15, 446	15, 664	19, 346	25, 640	75, 998	102, 048	119, 624
East North Central.....	84, 516	89, 623	77, 684	99, 252	113, 867	137, 853	400, 445	441, 682	543, 261
Ohio.....	20, 233	20, 927	18, 000	22, 458	26, 937	32, 574	102, 377	112, 593	135, 990
Indiana.....	16, 754	17, 355	14, 083	22, 618	25, 257	29, 048	83, 101	86, 976	103, 540
Illinois.....	25, 121	25, 738	22, 082	29, 894	32, 204	38, 125	105, 768	113, 021	136, 830
Michigan.....	10, 914	12, 579	10, 380	12, 442	15, 276	18, 146	55, 987	68, 209	77, 401
Wisconsin.....	11, 495	13, 023	13, 139	11, 840	14, 194	19, 960	53, 222	60, 584	89, 500
West North Central.....	105, 348	123, 101	118, 261	126, 783	158, 884	198, 438	474, 592	543, 558	778, 028
Minnesota.....	13, 213	16, 408	16, 611	15, 062	20, 352	26, 979	60, 250	76, 322	107, 304
Iowa.....	27, 747	30, 275	30, 666	31, 076	38, 185	48, 216	120, 697	133, 776	188, 336
Missouri.....	24, 884	28, 222	25, 197	29, 363	34, 596	40, 783	119, 291	129, 291	180, 350
North Dakota.....	4, 329	5, 181	4, 795	5, 324	5, 722	8, 177	20, 820	20, 988	27, 889
South Dakota.....	6, 642	7, 906	8, 546	7, 638	10, 607	14, 659	30, 352	35, 104	53, 052
Nebraska.....	11, 615	13, 500	13, 318	15, 797	20, 310	25, 974	49, 133	54, 811	85, 555
Kansas.....	16, 919	21, 609	19, 128	22, 503	29, 091	33, 650	76, 137	93, 267	135, 542
South Atlantic.....	36, 408	41, 120	33, 422	65, 374	66, 752	70, 948	144, 662	153, 799	222, 457
Delaware.....	949	1, 365	1, 551	1, 205	1, 582	3, 414	3, 908	6, 381	11, 201
Maryland.....	3, 436	4, 198	3, 777	5, 258	6, 025	7, 422	15, 086	20, 069	27, 709
District of Columbia.....	10	16	12	14	10	21	43	69	102
Virginia.....	7, 860	9, 221	7, 643	14, 227	15, 892	16, 728	36, 551	39, 044	55, 349
West Virginia.....	4, 028	4, 349	3, 674	4, 873	5, 305	5, 504	21, 708	22, 125	27, 930
North Carolina.....	7, 393	8, 558	6, 385	14, 047	15, 057	14, 727	24, 841	25, 587	39, 301
South Carolina.....	3, 954	4, 228	3, 057	9, 016	7, 870	7, 447	12, 812	11, 109	15, 907
Georgia.....	7, 222	7, 043	5, 373	14, 588	12, 284	12, 264	23, 182	19, 838	30, 534
Florida.....	1, 555	2, 130	1, 950	2, 146	2, 766	3, 421	6, 531	9, 577	14, 424
East South Central.....	34, 092	34, 989	28, 617	51, 071	51, 103	54, 741	138, 152	118, 735	176, 281
Kentucky.....	10, 478	11, 369	8, 820	15, 507	16, 445	17, 356	42, 225	37, 045	55, 960
Tennessee.....	11, 354	11, 891	8, 888	15, 554	16, 148	15, 939	48, 707	41, 039	57, 320
Alabama.....	5, 916	6, 284	5, 428	10, 180	9, 527	10, 734	23, 437	19, 467	34, 565
Mississippi.....	6, 342	5, 788	5, 381	9, 830	8, 982	10, 712	23, 783	16, 185	30, 436
West South Central.....	39, 919	43, 835	43, 254	57, 329	60, 998	78, 048	157, 008	160, 425	296, 460
Arkansas.....	6, 955	7, 164	6, 124	9, 111	9, 870	11, 202	28, 168	23, 923	39, 129
Louisiana.....	3, 764	3, 907	4, 133	5, 571	5, 454	7, 270	13, 136	10, 472	22, 462
Oklahoma.....	11, 137	13, 023	11, 471	16, 817	19, 670	23, 292	45, 440	51, 477	80, 514
Texas.....	18, 063	19, 741	21, 526	25, 830	26, 025	36, 275	70, 264	74, 552	154, 355
Mountain.....	9, 524	12, 299	12, 373	13, 037	15, 537	21, 088	49, 993	66, 278	97, 429
Montana.....	2, 035	2, 545	2, 117	3, 227	3, 067	3, 664	11, 858	13, 403	15, 429
Idaho.....	1, 655	2, 029	1, 989	2, 250	2, 540	3, 371	8, 005	11, 706	16, 399
Wyoming.....	621	809	736	894	1, 121	1, 258	3, 166	4, 337	5, 777
Colorado.....	2, 875	3, 752	3, 653	3, 831	5, 006	6, 333	14, 172	18, 561	27, 343
New Mexico.....	714	937	962	921	1, 123	1, 486	3, 063	4, 075	6, 791
Arizona.....	495	636	576	569	756	997	2, 525	3, 741	5, 081
Utah.....	955	1, 367	2, 096	1, 107	1, 644	3, 540	5, 709	9, 017	18, 463
Nevada.....	155	225	244	188	280	439	895	1, 436	2, 146
Pacific.....	16, 474	21, 377	26, 888	20, 939	25, 507	42, 321	100, 106	180, 595	259, 193
Washington.....	3, 548	5, 363	6, 452	4, 860	7, 059	11, 063	21, 357	42, 030	71, 429
Oregon.....	2, 500	3, 229	2, 969	3, 150	4, 066	4, 613	14, 626	20, 658	28, 342
California.....	10, 427	12, 785	17, 467	12, 929	14, 383	26, 645	64, 124	97, 907	159, 422

¹ Chickens over 3 months old Apr 1, 1930² Including estimates for incomplete reports

Source: Bureau of the Census, Department of Commerce.

No. 577.—POULTRY: FARM PRICES AND RECEIPTS AT PRINCIPAL MARKETS

[Prices in cents per pound; receipts in thousands of pounds]

	1914- 1920, average	1921- 1925, average	1926- 1930, average	1929	1930	1931	1932	1933
Chickens, average farm price.....	17 6	19. 1	20 3	21 5	17. 6	15 0	11 0	9 2
Turkeys, average farm price, Nov 15.....	22 0	27 6	27 8	27 1	20. 1	18 3	12 0	11 8
Dressed poultry, receipts								
Boston.....		49, 696	53, 554	54, 433	51, 289	57, 782	58, 213	64, 728
New York.....		155, 266	194, 666	197, 057	200, 885	218, 911	195, 445	223, 094
Philadelphia.....		25, 151	33, 398	34, 664	36, 536	38, 193	36, 447	37, 066
Chicago.....		77, 895	76, 414	93, 368	80, 153	71, 475	65, 349	55, 430

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Chickens, average farm price:												
1932.....	13 3	12 6	12 6	12 6	12 2	11. 4	11 7	11 7	11 6	10 7	10. 1	9. 2
1933.....	9. 3	9. 4	9. 1	9. 8	10. 4	10. 0	10. 4	9. 8	9. 5	9. 3	8. 8	8. 6
Receipts of poultry, 1932												
Boston.....	4, 141	3, 927	4, 094	2, 730	2, 967	3, 255	2, 839	3, 487	3, 619	4, 265	10, 633	12, 256
New York.....	12, 534	9, 910	10, 292	8, 852	11, 454	13, 728	12, 708	14, 288	15, 362	19, 651	34, 609	32, 057
Philadelphia.....	1, 881	2, 467	1, 943	1, 960	2, 555	1, 934	1, 912	2, 191	2, 096	2, 614	6, 259	8, 635
Chicago.....	4, 855	3, 317	2, 396	1, 505	1, 428	1, 326	853	1, 616	3, 333	5, 232	19, 736	19, 752
Receipts of poultry, 1933												
Boston.....	5, 543	3, 803	3, 387	3, 369	3, 832	4, 128	3, 800	4, 004	3, 939	5, 081	12, 374	11, 468
New York.....	15, 747	11, 835	10, 963	12, 115	15, 013	15, 641	14, 144	16, 329	17, 417	21, 220	39, 622	33, 048
Philadelphia.....	3, 141	2, 717	1, 894	2, 027	2, 569	2, 344	2, 115	1, 900	1, 743	2, 306	6, 591	7, 719
Chicago.....	4, 713	2, 442	1, 241	859	1, 291	1, 558	1, 668	1, 355	1, 474	2, 982	19, 731	16, 113

No. 578.—EGGS: PRICES, RECEIPTS AT PRINCIPAL MARKETS, AND STORAGE

[Prices in cents per dozen: receipts and storage in thousands of cases]

	1910- 1914, aver- age	1926- 1930, aver- age	1931	1932	1933		1926- 1930, aver- age	1931	1932	1933
Average farm price.....	22	28	17	13	13	Receipts:				
Wholesale prices						Boston.....	1, 763	1, 636	1, 439	1, 330
Western firsts, Boston.....	25	34	22	20	17	New York.....	7, 176	7, 601	6, 702	6, 885
Fresh firsts, New York.....	25	33	22	21	17	Philadelphia.....	1, 661	1, 730	1, 496	1, 530
Western extra firsts,						Chicago.....	4, 590	4, 814	3, 412	4, 135
Philadelphia.....	26	37	25	22	21	San Francisco.....	756	758	725	748
Fresh firsts, Chicago.....	22	32	20	18	16	Total cold-stor-				
Fresh extras, San						age hold-				
Francisco.....	32	34	25	22	21	ings:				
Average export value.....	22	29	23	22	21	July 31.....	10, 249	9, 504	6, 431	9, 507
						Dec 31.....	1, 394	1, 475	159	731

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Average farm price												
1931.....	22	14	17	16	13	14	15	17	19	23	26	26
1932.....	17	13	10	10	10	11	12	15	17	22	26	28
1933.....	21	11	10	10	12	10	13	13	16	21	24	22
Wholesale price, fresh firsts,												
New York.....												
1932.....	19	18	15	15	16	16	16	20	22	26	34	33
1933.....	24	14	14	13	14	13	15	14	18	20	26	22
Receipts, 1932												
Boston.....	98	138	181	164	201	155	117	109	79	71	64	62
New York.....	475	554	663	827	873	689	534	533	438	417	345	354
Philadelphia.....	114	105	136	193	171	153	114	110	125	101	90	84
Chicago.....	178	224	378	657	663	437	258	219	161	104	60	73
San Francisco.....	72	68	77	75	63	62	57	64	51	46	45	45
Receipts, 1933												
Boston.....	92	98	145	207	175	141	132	91	58	68	58	65
New York.....	593	491	769	934	1, 021	710	588	493	369	352	269	296
Philadelphia.....	120	118	161	183	181	137	113	105	120	97	88	107
Chicago.....	189	229	491	881	1, 049	524	260	206	133	76	37	60
San Francisco.....	57	52	73	76	76	63	59	58	53	58	61	62

Source of tables 577 and 578. Bureau of Agricultural Economics, Department of Agriculture.

No. 579.—COLD-STORAGE HOLDINGS OF ANIMAL PRODUCTS AND FROZEN FISH

NOTE.—All figures are in thousands of pounds, except shell eggs and total meats, which are in thousands of 30-dozen cases and millions of pounds, respectively. Quantities are net weights and are as of 1st of each month. Beef and pork figures include frozen, cured, and in process of cure.

	Jan.	Feb	Mar	Apr	May	June	July	Aug	Sept.	Oct	Nov	Dec
Creamery butter:												
1929.....	43, 783	24, 747	11, 910	5, 532	5, 883	28, 369	91, 962	151, 621	168, 952	158, 541	138, 405	111, 650
1930.....	81, 935	60, 230	46, 530	30, 556	22, 957	50, 378	106, 522	143, 061	143, 089	131, 489	109, 646	88, 012
1931.....	63, 401	46, 792	30, 672	18, 010	17, 195	35, 155	59, 172	115, 121	104, 678	80, 172	56, 229	42, 242
1932.....	26, 643	22, 506	15, 243	9, 091	10, 304	29, 100	84, 269	110, 247	107, 259	89, 490	66, 828	37, 207
1933.....	22, 043	17, 833	11, 580	9, 255	9, 398	35, 159	106, 378	150, 934	176, 476	174, 713	160, 463	138, 166
American cheese:												
1929.....	68, 075	57, 764	49, 546	45, 105	42, 032	47, 641	62, 737	79, 907	85, 558	84, 815	78, 058	71, 065
1930.....	63, 478	53, 672	47, 818	41, 922	39, 324	49, 172	70, 186	88, 749	97, 221	85, 076	78, 019	71, 132
1931.....	63, 326	54, 499	47, 968	41, 836	40, 542	42, 461	58, 144	68, 532	68, 874	65, 802	63, 068	60, 583
1932.....	60, 804	54, 360	47, 106	42, 009	38, 951	40, 461	53, 922	63, 667	66, 721	68, 555	69, 813	62, 392
1933.....	57, 749	53, 532	46, 992	41, 625	37, 321	41, 336	67, 456	82, 771	94, 394	99, 326	95, 831	85, 146
All varieties of cheese:												
1929.....	85, 730	74, 016	63, 968	58, 153	54, 618	61, 097	79, 724	98, 070	106, 009	102, 849	94, 879	86, 949
1930.....	80, 623	69, 223	61, 891	55, 343	53, 025	68, 127	90, 421	108, 899	107, 219	103, 691	96, 393	87, 171
1931.....	79, 015	69, 471	61, 841	54, 270	53, 172	55, 939	72, 977	84, 100	86, 418	83, 426	81, 743	78, 565
1932.....	78, 318	70, 682	60, 962	54, 021	50, 764	52, 118	66, 531	76, 327	79, 847	81, 406	79, 275	73, 910
1933.....	68, 714	63, 321	55, 731	48, 806	43, 626	48, 481	78, 715	94, 291	108, 035	113, 131	108, 654	99, 009
Shell eggs												
1929.....	1, 415	248	11	559	3, 952	6, 705	8, 510	8, 962	8, 547	7, 195	4, 930	2, 631
1930.....	704	139	84	2, 231	5, 766	9, 178	10, 743	11, 193	10, 375	9, 174	6, 785	4, 154
1931.....	1, 894	735	408	1, 893	5, 162	7, 887	9, 507	9, 507	9, 016	7, 960	5, 745	3, 447
1932.....	1, 475	663	258	700	2, 982	5, 380	6, 339	6, 431	5, 960	4, 895	3, 225	1, 109
1933.....	159	75	131	1, 833	4, 857	8, 062	9, 364	9, 507	8, 944	7, 466	5, 175	2, 641
Frozen eggs¹												
1929.....	56, 181	48, 055	38, 250	34, 918	51, 825	71, 560	84, 766	91, 488	86, 693	81, 541	70, 331	61, 772
1930.....	53, 644	44, 080	35, 192	49, 751	76, 664	106, 904	115, 134	116, 272	113, 138	106, 631	98, 359	89, 571
1931.....	83, 184	75, 685	73, 889	78, 051	91, 517	106, 607	113, 613	114, 700	110, 271	103, 302	94, 810	86, 407
1932.....	79, 198	72, 439	68, 024	69, 031	81, 920	94, 978	100, 489	99, 112	92, 967	84, 187	74, 314	64, 150
1933.....	55, 339	46, 448	40, 450	45, 090	62, 944	85, 323	103, 019	107, 660	102, 449	93, 182	82, 302	72, 348
Frozen poultry												
1929.....	109, 684	102, 380	89, 088	68, 728	52, 901	41, 643	42, 001	40, 896	49, 010	61, 976	86, 873	115, 876
1930.....	140, 723	141, 552	133, 172	105, 708	77, 420	61, 167	54, 232	46, 967	42, 659	46, 938	59, 269	82, 925
1931.....	104, 013	101, 307	95, 188	69, 986	45, 920	35, 348	32, 762	36, 438	43, 686	55, 616	65, 668	99, 971
1932.....	116, 700	111, 554	96, 422	74, 680	56, 676	44, 829	36, 661	31, 471	30, 305	36, 683	54, 928	91, 118
1933.....	111, 642	104, 833	88, 675	67, 285	45, 824	38, 131	42, 705	44, 970	47, 789	50, 177	58, 589	91, 211
Beef												
1929.....	98, 913	93, 990	88, 771	81, 607	70, 714	57, 315	52, 055	45, 930	48, 014	56, 434	72, 059	93, 444
1930.....	103, 883	99, 020	95, 598	88, 743	80, 630	71, 556	66, 891	64, 501	59, 755	60, 023	63, 862	73, 392
1931.....	75, 285	72, 398	67, 622	61, 111	53, 150	49, 448	45, 548	41, 055	39, 050	35, 171	34, 407	39, 158
1932.....	53, 199	51, 285	51, 107	46, 346	41, 228	35, 655	29, 909	26, 719	24, 376	25, 903	36, 036	41, 029
1933.....	42, 870	39, 550	36, 015	33, 781	30, 658	30, 538	35, 136	41, 823	48, 446	51, 198	59, 233	70, 010
Pork:												
1929.....	670, 039	838, 280	944, 742	921, 961	923, 558	870, 785	841, 937	814, 354	719, 400	600, 498	491, 402	489, 629
1930.....	929, 986	687, 106	785, 564	752, 996	711, 700	675, 167	679, 221	651, 444	550, 959	447, 427	356, 806	411, 704
1931.....	521, 192	726, 264	853, 408	843, 761	867, 524	827, 751	774, 651	711, 811	596, 063	474, 887	380, 595	396, 593
1932.....	563, 306	674, 151	812, 399	792, 197	799, 064	795, 866	724, 271	643, 052	678, 876	498, 253	433, 548	403, 898
1933.....	490, 850	575, 084	609, 321	610, 240	630, 360	670, 553	760, 730	808, 322	756, 701	630, 437	493, 308	529, 454
All meats:												
1929.....	857	1, 025	1, 128	1, 097	1, 085	1, 013	978	944	847	733	632	661
1930.....	820	880	977	933	881	835	839	811	699	592	497	566
1931.....	685	896	1, 017	994	1, 005	959	898	824	702	569	466	488
1932.....	684	797	939	906	901	892	810	722	650	566	510	493
1933.....	579	664	693	688	708	754	863	926	879	748	605	657
Frozen fish²												
1929.....	62, 375	48, 364	37, 744	31, 687	30, 174	40, 148	51, 664	64, 810	72, 674	75, 864	79, 439	75, 807
1930.....	62, 417	49, 012	35, 581	25, 357	34, 139	47, 632	64, 877	78, 993	85, 368	88, 063	91, 872	85, 323
1931.....	71, 817	56, 560	38, 567	28, 095	31, 283	39, 384	48, 445	57, 518	68, 283	73, 144	74, 725	72, 362
1932.....	64, 478	50, 601	35, 664	25, 916	28, 622	34, 811	41, 306	51, 681	59, 069	63, 073	62, 104	55, 738
1933.....	45, 476	35, 469	25, 855	19, 335	19, 645	25, 711	33, 331	44, 882	51, 475	55, 928	58, 338	57, 188
Lard:												
1929.....	85, 217	140, 526	173, 864	179, 428	184, 748	183, 490	199, 699	203, 010	180, 085	153, 690	99, 845	68, 517
1930.....	82, 098	92, 171	111, 914	105, 067	104, 805	115, 270	120, 322	118, 563	88, 868	59, 732	36, 211	31, 582
1931.....	51, 434	62, 624	74, 977	78, 249	95, 693	103, 366	115, 651	121, 626	96, 047	69, 296	39, 766	34, 824
1932.....	51, 224	78, 430	92, 864	105, 635	111, 007	128, 103	130, 363	121, 618	100, 577	70, 559	34, 410	29, 766
1933.....	41, 088	52, 841	58, 182	61, 674	71, 895	110, 889	186, 250	219, 259	224, 476	192, 061	133, 693	116, 077

¹ Frozen eggs may be converted to cases on the basis of 35 pounds to a case.

² Holdings of frozen fish are for the 15th of each month.

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 580.—WOOL: PRODUCTION, IMPORTS, AND EXPORTS OF THE UNITED STATES

NOTE.—All figures in thousands of pounds. Production, except Census data, is estimated and is for calendar years. Pulled wool is included beginning 1900 and was probably included for 1870 to 1899, though the exact basis of the estimates for these years is not known. Figures for 1839, 1849, and 1859 include only fleece. Exports and imports for 1839 are for the fiscal year ended Sept. 30, for 1849 and 1859, fiscal years ended June 30, subsequently, calendar years. Imports and foreign exports prior to 1914 and domestic exports include hair of the camel, Angora goat, alpaca, and other like animals.

Yearly average or year	Production	Imports	Exports		Year	Production	Imports	Exports	
			U.S. production	Foreign				U.S. production	Foreign
1839	35,802	7,925		119	1906	298,915	196,844	351	4,412
1849	52,517	17,869	160	47	1907	298,295	188,306	86	3,109
1859	60,265	24,471	1,707	41	1908	311,138	142,559	169	6,985
1870	162,000	54,459	46	1,966	1909	328,111	312,131	46	1,084
1871-1880	186,275	67,789	158	4,099	1910	321,363	180,135	248	9,055
1881-1890	280,700	95,747	325	4,196	1911	318,548	155,923	(3)	3,511
1891-1895	309,409	156,736	1,596	3,726	1912	304,043	238,118	(3)	1,816
1896-1900	271,835	172,448	2,712	5,965	1913	296,175	151,814	477	3,860
1901-1905	298,713	181,649	237	3,250	1914	290,192	256,501	2335	6,342
1906-1910	311,564	203,995	140	4,929	1915	285,726	402,611	2,158	2,081
1911-1915	298,937	240,993	2,857	3,522	1916	288,490	442,650	3,919	2,128
1916-1920	292,205	399,980	3,568	4,276	1917	281,892	416,137	1,827	1,272
1921-1925	282,606	334,158	699	12,779	1918	298,870	447,426	407	452
1926-1930	363,855	248,762	300	6,664	1919	298,258	438,782	2,840	5,134
1931	285,000	139,318	122	2,720	1920	293,517	254,905	8,845	12,393
1892	294,000	167,784	230	3,315	1921	289,965	316,605	1,927	1,552
1893	348,538	111,752	229	6,778	1922	270,109	366,538	453	4,225
1894	325,211	115,837	1,694	2,801	1923	272,395	388,345	535	23,557
1895	294,297	248,989	5,707	3,015	1924	280,931	262,655	309	27,476
1896	272,475	159,776	8,483	6,512	1925	299,632	336,646	273	7,087
1897	259,153	356,839	1,055	2,184	1926	318,500	299,451	292	14,082
1898	266,721	99,850	91	4,592	1927	340,009	264,507	323	10,710
1899	272,191	105,868	3,511	13,492	1928	366,488	240,360	485	4,435
1900	288,637	139,908	422	3,046	1929	382,068	277,214	239	2,380
1901	302,502	124,964	97	3,326	1930	412,211	162,482	162	1,715
1902	315,341	176,293	446	3,212	1931	438,328	157,800	274	1,089
1903	287,450	173,594	384	3,267	1932	412,450	56,310	179	8,593
1904	291,783	186,573	184	2,165	1933	428,930	174,287	19	478
1905	295,488	246,821	72	4,278					

1 Average for fiscal years 1913 to 1915.

2 Exports for fiscal years ended June 30 of the year shown; calendar year data not available.

3 Not reported separately in 1911, no exports in 1912.

Source: Production, 1839, 1849, 1859, Bureau of the Census, other years, reports of the Department of Agriculture, imports and exports, Bureau of Foreign and Domestic Commerce.

No. 581.—WOOL: PRICES, VALUE OF IMPORTS, AND RECEIPTS AT BOSTON

	1910-1913, average	1914-1920, average	1921-1925, average	1926-1930, average	1930	1931	1932	1933
Prices (cents per pound):								
Average United States farm price, unwashed—	18	33	32	30	20	14	9	19
Ohio and Pennsylvania, fine clothing, unwashed, at Boston	23	46	44	35	24	21	15	28
Territory, fine staple scoured, at Boston	60	127	126	103	76	63	47	67
Value of United States imports (thous. of dollars):								
Clothing ¹	15,659	140,084	17,137	6,050	3,841	1,528	743	810
Combing ¹	3,994	5,901	53,317	36,231	13,343	6,140	1,577	7,156
Carpet	13,540	25,380	29,675	34,300	18,993	14,354	3,602	12,740
Receipts at Boston (thousands of pounds):								
Total	290,150	424,336	364,125	322,111	312,758	300,087	230,173	317,754
Domestic	206,047	184,380	162,099	210,240	246,245	253,796	212,617	267,929
Foreign	84,103	239,956	202,026	111,871	66,513	46,291	17,556	49,825

¹ Owing to changes in tariff laws in 1922 much wool which was formerly brought in as "clothing" now comes in under "combing" classification.

Sources: Prices and receipts, Bureau of Agricultural Economics, Department of Agriculture, imports, Bureau of Foreign and Domestic Commerce, Department of Commerce.

No. 582.—WOOL: ESTIMATED PRODUCTION AND WEIGHT PER FLEECE

NOTE—Only States with a production in 1933 of over 2,500,000 pounds are shown separately

State	Production in thousands of pounds								Average weight fleece ¹ (pounds) 1933
	1926	1927	1928	1929	1930	1931	1932	1933	
United States.....	268, 900	289, 909	314, 588	327, 566	350, 311	372, 228	345, 350	364, 730	8. 15
New York.....	3, 081	3, 212	3, 096	3, 096	3, 110	3, 008	2, 736	2, 701	7. 3
Pennsylvania.....	2, 730	2, 730	2, 898	2, 982	3, 108	3, 248	3, 270	3, 411	7. 4
Ohio.....	14, 760	15, 662	14, 776	14, 661	15, 066	15, 453	15, 455	15, 810	8. 2
Indiana.....	3, 715	3, 922	4, 402	4, 500	4, 752	4, 980	4, 782	4, 599	7. 3
Illinois.....	3, 794	4, 186	4, 166	4, 514	4, 815	4, 843	4, 559	5, 749	7. 0
Michigan.....	7, 600	8, 446	8, 774	8, 480	8, 400	8, 526	8, 282	7, 840	8. 0
Wisconsin.....	2, 475	2, 774	2, 888	2, 888	3, 225	3, 205	3, 145	2, 774	7. 3
Minnesota.....	3, 634	4, 211	4, 700	5, 372	6, 115	6, 591	6, 638	6, 814	7. 7
Iowa.....	5, 520	5, 880	6, 320	6, 800	7, 640	7, 920	7, 901	7, 410	7. 9
Missouri.....	5, 500	5, 505	5, 686	6, 099	6, 865	7, 304	7, 048	7, 351	6. 6
North Dakota.....	2, 772	3, 654	4, 250	5, 287	6, 261	7, 012	7, 636	7, 056	8. 4
South Dakota.....	4, 772	5, 418	6, 149	7, 003	7, 794	8, 820	8, 768	9, 200	8. 0
Kansas.....	2, 183	2, 393	2, 710	3, 172	3, 365	3, 243	3, 168	3, 461	6. 9
Nebraska.....	2, 334	2, 400	2, 544	2, 685	3, 000	2, 786	1, 885	2, 731	7. 5
West Virginia.....	2, 205	2, 263	2, 646	2, 798	2, 844	3, 021	2, 994	3, 021	5. 2
Kentucky.....	3, 278	3, 658	3, 807	3, 901	4, 175	4, 233	4, 250	4, 170	5. 0
Texas.....	28, 900	34, 725	40, 120	46, 779	48, 262	53, 360	57, 105	74, 800	9. 5
Montana.....	23, 051	24, 693	26, 970	31, 122	34, 031	38, 313	32, 300	33, 276	9. 4
Idaho.....	15, 798	15, 555	17, 425	18, 156	18, 156	19, 419	16, 500	17, 372	8. 6
Wyoming.....	22, 338	26, 460	27, 900	26, 502	29, 702	36, 000	31, 513	29, 808	9. 2
Colorado.....	8, 132	8, 877	11, 300	12, 269	13, 446	13, 541	12, 320	12, 774	8. 3
New Mexico.....	13, 084	14, 023	14, 824	15, 230	16, 870	16, 632	16, 884	17, 430	7. 0
Arizona.....	6, 283	6, 200	5, 978	5, 820	5, 640	5, 520	5, 220	4, 988	5. 8
Utah.....	20, 093	20, 915	23, 064	26, 655	24, 440	23, 940	18, 160	17, 630	8. 6
Nevada.....	8, 508	8, 015	8, 923	7, 777	7, 944	8, 880	7, 125	6, 708	7. 8
Washington.....	4, 998	5, 233	5, 635	5, 485	6, 175	6, 192	5, 506	5, 640	9. 2
Oregon.....	18, 321	18, 128	20, 332	19, 531	21, 375	22, 000	17, 982	18, 105	8. 5
California.....	22, 657	23, 996	25, 084	25, 730	25, 779	26, 095	24, 219	24, 032	7. 7
Other States.....	6, 384	6, 775	7, 221	7, 672	7, 950	5, 357	7, 999	8, 069	4. 9
Pulled wool ²	49, 600	50, 100	51, 900	54, 500	61, 900	66, 100	67, 100	64, 200	-----

¹ In States where sheep are shorn twice a year figures cover wool per head of sheep shorn² Estimated from returns of plants pulling from 80 to 90 per cent of all wool.**No. 583.—WOOL CONSUMED IN MANUFACTURES: 1928 to 1932**

NOTE—All figures in thousands of pounds. Data are as reported by over 400 manufacturers and represent about 80 per cent of the industry. The figures include all wool in the condition reported. The grease equivalent of the totals shown below is as follows: 1928, 538,354,229 pounds, 1929, 585,558,000; 1930, 430,104,000, 1931, 513,743,000 1932, 385,521,000; 1933, 519,629,000

Class and grade	1928	1929	1930	1931	1932	1933
Total.....	465, 018	516, 113	377, 790	459, 813	338, 849	455, 631
Domestic.....	271, 215	283, 622	233, 759	319, 746	266, 470	333, 578
Foreign.....	193, 803	232, 491	144, 031	140, 067	72, 379	122, 053
Combed:						
Domestic.....	200, 152	219, 706	186, 989	269, 613	219, 554	276, 505
Foreign.....	48, 859	65, 607	52, 770	33, 317	12, 441	18, 506
Carded						
Domestic.....	71, 063	63, 916	46, 761	50, 133	46, 916	57, 075
Foreign.....	9, 117	10, 782	6, 396	6, 154	1, 968	3, 815
Combed and carded combined:						
Fine.....	118, 099	142, 278	135, 212	155, 058	121, 647	162, 994
One-half blood.....	61, 535	64, 285	54, 726	70, 238	56, 035	64, 548
Three-eighths blood.....	63, 018	65, 896	43, 242	64, 241	47, 038	59, 147
One-fourth blood.....	61, 273	58, 181	39, 733	48, 036	42, 238	47, 560
Low or Lincoln.....	25, 266	29, 371	20, 015	21, 644	13, 871	21, 650
Carpet.....	135, 827	156, 102	84, 862	100, 596	57, 970	99, 732

¹ Preliminary figures compiled from monthly reports.

Sources: Table 582, Bureau of Agricultural Economics, Department of Agriculture, Table 583, Bureau of the Census, Department of Commerce.

No. 584.—ANIMAL FOOD MANUFACTURING INDUSTRIES: CENSUS STATISTICS OF MATERIALS AND PRODUCTS

Product	Quantity (thousands of unit specified)				Value (thousands of dollars)		
	Unit	1927	1929	1931	1927	1929	1931
BUTTER, CHEESE, AND CONDENSED MILK							
Butter, cheese, condensed milk, etc., all industries ¹ -----					1,011,740	1,039,550	659,812
Butter-----	Pound..	1,564,227	1,617,344	1,655,905	695,625	706,449	440,954
Cheese, total-----	do-----	518,198	588,026	551,700	110,162	112,723	70,215
Cheese other than cottage, pot, and bakers'-----	do-----	449,444	487,200	451,215	104,220	103,291	62,948
Cottage, pot, and bakers'-----	do-----	68,754	100,826	100,485	5,942	9,432	7,267
Condensed and evaporated milk and buttermilk-----							
Condensed milk, sweetened-----	do-----	378,687	532,727	398,560	34,251	42,917	23,913
Evaporated milk, unsweetened-----	do-----	1,605,573	1,642,214	1,551,353	129,866	126,202	90,063
Condensed and evaporated buttermilk-----	do-----	113,039	135,787	100,375	3,733	4,197	1,896
Powdered milk, cream, etc-----	do-----	183,336	288,592	371,414	19,737	24,480	16,306
Sugar of milk-----	do-----	5,406	7,102	7,510	644	686	706
Ice-cream mix-----	do-----	114,196	137,203	161,629	13,775	15,278	13,493
Dried casein-----	do-----	23,516	57,826	41,376	3,052	5,726	2,266
Other products-----	do-----	8,257	7,459		895	892	
MEAT PACKING, WHOLESALE²							
Animals slaughtered.							
Cattle-----	Number	10,725	9,548	9,308			
Calves-----	do-----	5,477	5,209	5,504			
Sheep and lambs-----	do-----	14,389	15,689	20,445			
Hogs-----	do-----	47,492	53,702	49,425			
Other animals-----	do-----		102	35			
All products, total value-----					3,057,216	3,434,654	2,180,823
Fresh meat³							
Beef-----	Pound..	5,069,619	4,575,492	4,552,908	762,614	859,803	543,565
Veal-----	do-----	549,685	511,103	530,366	98,489	107,197	67,649
Mutton and lamb-----	do-----	547,473	601,719	771,578	130,283	145,416	116,747
Pork-----	do-----	3,110,253	3,571,277	3,467,078	517,863	603,537	403,901
Edible organs and other fresh meats-----	do-----	568,501	585,070	566,723	54,983	64,889	45,218
Cured meat							
Beef-----	do-----	102,738	71,593	71,346	22,905	21,749	13,235
Pork-----	do-----	3,134,172	3,528,181	3,026,928	602,726	668,697	410,534
Cooked hams ⁴ -----	do-----	133,525	152,189	136,636	49,120	57,972	37,252
Canned meats and canned sausage-----	do-----	144,198	169,134	104,863	27,824	42,519	23,630
Sausage (not canned), meat puddings, head cheese, scrap-ple, etc. ⁴ -----	do-----	918,936	928,573	795,204	180,790	201,623	125,320
Sausage casings ⁴ -----	do-----	119,949	116,362	70,947	22,336	21,848	8,967
Lard-----	do-----	1,794,636	2,041,211	1,749,798	234,864	248,008	149,492
Oleo oil and stock-----	do-----	129,963	113,231	99,192	14,875	12,403	5,690
Fertilizer materials-----	Ton-----	176	135	115	7,768	6,230	2,883
Cattle hides-----	Pound	616,714	533,201	512,600	99,218	79,913	37,688
Calf skins-----	do-----	53,581	50,574	67,306	11,160	10,289	7,693
Sheep and lamb pelts-----	Number	8,961	10,458	14,889	15,964	18,378	8,391
All other skins-----	Pound	3,242	5,861	3,679	324	443	174
Wool ⁴ -----	do-----	30,439	35,907	43,930	18,478	19,874	12,547
All other products-----					184,632	243,866	160,247

¹ Includes besides production in the butter, cheese, and condensed milk industries, data for similar products produced in establishments classified in other industries

² Data represent output of the meat-packing industry only and do not include meat products reported by establishments assigned to other industries

³ In addition cooked hams produced in other industries were reported for 1929 amounting to 13,124,000 pounds valued at \$4,769,000 and for 1931, amounting to 26,206,000 pounds valued at \$7,356,000

⁴ Value of total production of sausage (not canned), meat puddings, etc., in all industries in 1929 was \$290,479,000 and in 1931, \$195,077,000, of sausage casings, 1929, \$32,616,000, 1931, \$13,505,000

⁵ Wool detached from skins in meat-packing establishments only For value of products of establishments engaged primarily in wool pulling, see p 705

Source Bureau of the Census, Department of Commerce.

28.—FARM CROPS AND FOODSTUFFS

[In general, data in this section other than on foreign trade relate to continental United States, while foreign trade statistics represent the trade of the customs area (see note, Table 463). Any exceptions are noted. For weights of the units of measurement for the principal products see Appendix, p. 772.]

No. 585.—INDEX NUMBERS OF THE MASS OF CROP PRODUCTION

NOTE.—Average production of 1910-1914 equals 100. Production of wheat, corn, oats, barley, rye, buckwheat, potatoes, hay, tobacco, and cotton for each crop each year is multiplied by a constant price, and the aggregate is divided by the average aggregate of base years

Period or year	Production index	Year	Production index	Year	Production index	Year	Production index
1890-1894	62	1901	74	1912	110	1923	¹ 101
1895-1899	78	1902	91	1913	95	1924	¹ 104
1900-1904	84	1903	84	1914	107	1925	¹ 106
1905-1909	94	1904	92	1915	116	1926	¹ 106
1910-1914	100	1905	94	1916	100	1927	¹ 107
1915-1919	107	1906	99	1917	108	1928	¹ 112
1920-1925	103	1907	89	1918	107	1929	¹ 105
1926-1930	106	1908	94	1919	¹ 103	1930	¹ 99
1898	85	1909	94	1920	¹ 112	1931	¹ 108
1899	82	1910	97	1921	¹ 95	1932	105
1900	81	1911	91	1922	¹ 102	1933	86

¹ Production data revised to basis of decennial census.

No. 586.—INDEX NUMBERS OF CROP YIELDS

NOTE.—Index numbers each year prior to 1929 are relative to the average yield for the 10 preceding years; for 1929 to 1932, relative to the average of the years 1919-1921, for 1933, relative to the average of the years 1921-1930, data for the several States are weighted according to average crop values

Year	United States	North Atlantic	North Central	South Atlantic	South Central	Western
1915	108.0	98.9	114.4	99.6	103.8	102.1
1916	95.1	108.9	92.6	102.9	88.0	97.7
1917	102.0	104.6	107.3	100.7	93.0	91.2
1918	97.6	101.2	103.6	100.3	83.6	85.3
1919	99.8	104.8	100.4	93.1	105.5	88.5
1920	106.9	107.9	109.8	100.4	107.4	96.9
1921	91.7	90.3	92.9	80.8	92.9	98.3
1922	96.7	104.1	103.0	84.4	89.9	95.5
1923	96.1	100.3	101.0	90.6	82.8	106.8
1924	98.1	107.3	102.7	88.4	97.6	86.2
1925	99.6	104.3	97.8	91.9	92.4	103.9
1926	104.6	105.1	91.9	108.4	121.5	103.2
1927	102.5	102.3	101.7	98.3	99.3	111.6
1928	103.5	102.1	106.1	97.2	99.1	109.7
1929	96.6	96.5	96.2	101.1	98.1	92.8
1930	91.7	100.0	88.9	101.2	82.5	103.4
1931	102.0	112.1	93.4	116.5	120.4	87.3
1932	98.6	100.0	101.2	88.0	99.7	97.9
1933	95.0	98.5	79.5	112.1	113.9	92.1

No. 587.—AVERAGE VALUE PER ACRE OF 10 LEADING CROPS COMBINED

NOTE.—Corn, wheat, oats, barley, rye, buckwheat, potatoes, hay, tobacco, and cotton. These comprise nearly 90 per cent of the area in all field crops, and their average value closely approximates the value per acre of the aggregate of all crops. The value is based on average farm price of Dec 1

Period	Average crop value per acre	Year	Average crop value per acre	Year	Average crop value per acre	Year	Average crop value per acre
1871-1875	\$14.05	1898	\$9.00	1910	\$15.53	1922	\$18.15
1876-1880	11.89	1899	9.13	1911	15.36	1923	20.42
1881-1885	11.33	1900	10.31	1912	16.09	1924	22.81
1886-1890	9.97	1901	11.43	1913	16.49	1925	20.62
1891-1895	9.71	1902	12.07	1914	16.44	1926	17.94
1896-1900	9.09	1903	12.62	1915	17.18	1927	19.85
1901-1905	12.53	1904	13.26	1916	22.58	1928	19.36
1906-1910	15.01	1905	13.28	1917	33.27	1929	19.14
1911-1915	16.31	1906	13.40	1918	33.73	1930	13.29
1916-1920	29.00	1907	14.74	1919	33.77	1931	9.50
1921-1925	19.09	1908	15.32	1920	21.63	1932	6.48
1926-1930	17.92	1909	16.00	1921	13.43	1933	10.97

Source of Tables 585, 586, and 587. Bureau of Agricultural Economics, Department of Agriculture.

No. 588.—ACREAGE, PRODUCTION, AND VALUE OF ALL CROPS IN THE UNITED STATES: CENSUS STATISTICS, 1899 TO 1929

Crop	Acreage (thousands)				Production in thousands of units indicated					Value in thousands of dollars		
	1899	1909	1919	1929	Unit	1899	1909	1919	1929	1909	1919	1929
All Crops	283, 149	311, 185	348, 649	361, 945						5, 231, 851	14, 754, 978	8, 077, 812
Cereals	184, 982	191, 470	219, 138	302, 218	Bushel	4, 438, 837	4, 513, 398	4, 682, 784	4, 890, 013	2, 666, 084	6, 943, 838	3, 170, 692
Corn harvested for grain.....	94, 914	98, 383	87, 772	83, 161	do.	2, 666, 324	2, 552, 190	2, 345, 833	2, 130, 752	1, 438, 554	3, 507, 797	1, 635, 910
Wheat.....	62, 580	44, 283	73, 099	62, 000	do.	688, 534	883, 379	945, 403	800, 649	657, 057	2, 074, 079	898, 506
Oats threshed for grain.....	29, 540	35, 159	37, 991	33, 466	do.	943, 389	1, 097, 148	1, 055, 183	992, 747	414, 697	855, 256	410, 167
Barley.....	4, 470	7, 699	6, 473	12, 031	do.	119, 635	173, 344	122, 025	263, 590	92, 459	190, 982	140, 982
Rye.....	2, 064	2, 196	7, 679	3, 033	do.	25, 569	29, 520	75, 992	34, 303	20, 422	116, 538	29, 343
Buckwheat.....	807	878	743	822	do.	11, 224	14, 849	12, 698	8, 350	9, 331	19, 715	8, 023
Emmer and spelt.....	267	574	167	344	do.	5, 169	12, 703	2, 698	6, 233	5, 384	3, 700	2, 726
Sorghums harvested for grain ¹	342	1, 708	3, 726	3, 522	do.	9, 003	21, 539	73, 654	49, 080	11, 361	92, 524	32, 640
Rice (rough).....	.....	610	911	741	do.	.....	.....	35, 351	35, 351	16, 020	97, 185	32, 933
Mixed grains.....	4, 075	5, 084	4, 696	13, 318	do.	.....	.....	14, 065	70, 831	.....	16, 605	39, 462
Other grains and seeds	4, 075	5, 084	4, 696	13, 318	Bushel	5, 064	11, 251	14, 079	20, 354	96, 964	273, 766	284, 194
Dry edible beans.....	454	1, 162	1, 746	1, 962	do.	.....	.....	1, 085	8, 661	21, 771	61, 795	77, 098
Soybeans.....	26	13	189	189	do.	143	163	50	2, 115	21	4, 450	14, 446
Other beans.....	968	1, 305	896	1, 031	do.	9, 440	7, 129	5, 743	6, 555	10, 964	20, 791	3, 663
Dry peas.....	517	870	1, 125	1, 550	do.	11, 984	19, 416	27, 450	36, 588	18, 272	62, 782	28, 433
Flaxseed.....	2, 111	2, 083	1, 261	2, 996	do.	19, 979	19, 513	6, 653	15, 046	28, 971	29, 361	43, 105
All clover seed.....	.....	625	.....	2, 518	do.	1, 349	.....	2, 044	4, 092	6, 925	55, 417	31, 137
Alfalfa seed.....	.....	454	.....	625	do.	.....	263	.....	.....	.....	.....	11, 314
Timothy seed.....	.....	34	.....	454	do.	.....	2, 879	2, 587	1, 396	4, 019	13, 674	2, 788
Millet seed.....	.....	.....	34	.....	do.	3, 516	.....	1, 311	3, 683	4, 492	3, 683	3, 434
Other grass seed.....	.....	346	.....	346	do.	.....	1, 915	1, 909	1, 831	1, 650	8, 070	2, 881
Miscellaneous grains and seeds.....	8	68	88	88	do.	.....	.....	.....	.....	1, 607	13, 646	4, 095
Hay and forage, excluding corn cut for fodder	61, 691	72, 402	81, 618	76, 204	Ton ²	79, 252	97, 755	128, 549	121, 025	826, 401	2, 316, 116	1, 186, 205
Hay alone.....	58, 584	68, 227	72, 780	67, 828	do.	71, 113	87, 216	90, 356	88, 281	776, 068	1, 953, 149	988, 437
Corn cut for fodder.....	.....	.....	14, 503	6, 264	do.	.....	.....	17, 794	.....	206, 985	.....	.....
Vegetables	5, 638	7, 073	5, 479	6, 406	Bushel	273, 318	389, 195	290, 428	322, 416	418, 110	1, 298, 721	1, 004, 588
Potatoes (Irish or white).....	2, 939	3, 669	3, 252	2, 944	do.	42, 517	59, 232	78, 092	66, 193	106, 424	639, 441	414, 833
Sweet potatoes and yams.....	537	641	803	660	do.	.....	.....	.....	.....	35, 429	124, 844	67, 725
Other vegetables ³	2, 162	2, 763	1, 424	2, 812	do.	.....	.....	.....	.....	216, 257	534, 436	522, 010
Sugar crops	387	477	373	291	Ton ²	4, 202	6, 240	3, 515	15, 169	59, 253	162, 489	86, 903
Sugar cane, total ³.....	.....	.....	.....	.....	Gal	12, 293	21, 634	21, 241	2, 992	26, 416	56, 500	23, 332
For sugar.....	.....	.....	.....	.....	Ton ²	.....	.....	.....	.....	.....	.....	12, 071
Sorghums grown for syrup.....	293	326	482	136	Gal	16, 973	16, 632	21, 523	8, 294	7, 993	24, 506	7, 341
Sugar beets for sugar.....	110	360	636	644	Ton ²	793	3, 602	5, 993	7, 135	10, 695	66, 032	61, 037
Maple syrup and sugar.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5, 178	12, 381	5, 192

Other crops.....	35,683	33,730	35,877	53,058	Pound.....	888,113	1,055,765	1,371,504	1,456,510	943,015	2,320,186	1,739,543
Tobacco.....	1,101	1,295	1,861	1,838	Bale ¹	9,535	10,649	11,376	14,574	104,303	443,705	265,887
Cotton including cottonseed.....	24,275	32,044	33,740	43,228	Lint cotton.....	4,767	5,325	5,328	5,325	824,696	2,355,150	1,438,435
Cottonseed (estimated).....					Cottonseed.....	90,947	78,960	113,051	95,195	703,619	2,007,430	1,438,663
Broom corn.....	179	326	338	312	do.....	49,210	40,719	19,761	31,237	121,077	347,739	203,772
Hops.....	56	45	16	23						5,134	7,945	5,676
Miscellaneous crops.....	52	20	22	7,607						7,845	10,365	3,749
										1,037	2,984	5,796
Small fruits.....	310	272	349	387	Quart.....	483,219	424,568	394,989	475,071	99,974	61,732	63,811
Strawberries.....	151	143	120	243	do.....	257,427	255,702	176,932	330,872	17,914	36,034	43,167
Raspberries.....				57								9,897
Loganberries.....	61	49	4	4		76,628	60,918	49,210	8,730	5,132	11,593	1,730
Blackberries and dewberries.....	50	49	45	44		62,190	55,344	39,945	38,383	3,910	7,118	4,301
Cranberries.....	20	18	17	12		31,601	38,243	35,260	30,393	1,766	3,198	3,783
Currents.....	13	8	7	3		18,563	10,449	7,615	4,689	790	1,422	644
Other berries.....	14	5	5	24		16,780	5,910	3,904	8,512	472	604	1,278
Orchard fruits.....										141,870	433,910	299,080
Apples.....				387	Bushel.....	175,398	145,412	136,561	120,433	83,231	211,574	188,947
Peaches.....				15,433	do.....	15,433	35,470	60,686	42,827	28,781	95,570	61,890
Pears.....				8,841		6,625	8,841	14,204	18,500	7,911	26,440	30,106
Plums and prunes.....				8,764		8,764	15,490	19,064	20,038	10,269	40,984	18,640
Cherries.....				2,873		4,128	3,946	4,067	4,067	7,231	14,166	17,004
Figs.....				12,995	Pound.....	12,995	35,090	26,577	133,645	2,804	2,812	6,628
Apricots.....				2,642	Bushel.....	2,642	4,150	6,130	7,100	2,884	12,223	12,524
All other.....				630	do.....	630	494	71	145	539	141	215
Grapes.....					Pound.....	1,300,984	2,265,065	2,510,840	3,883,397	22,028	85,586	56,109
Subtropical fruits.....										23,908	112,037	217,447
Oranges ¹⁰					Box.....	6,168	19,487	27,833	53,731	17,568	83,663	148,473
Lemons.....					do.....	877	2,770	6,585	9,338	2,694	19,102	43,219
Grapefruit (pomeelos).....					do.....	31	1,189	3,656	8,722	2,061	7,177	22,732
All other.....										1,282	2,115	3,023
Nuts.....										4,448	39,714	19,330
Pecans.....					Pound.....	3,207	9,301	31,800	26,151	972	7,792	4,404
Walnuts (Persian or English).....					do.....	10,668	22,027	59,840	78,160	2,297	17,916	12,489
Almonds.....					do.....	7,143	6,794	15,853	9,403	712	3,963	2,257
Cocoanuts.....					Number.....		17	613	1	1	43	(1) ¹¹
All other.....					Pound.....	19,011	23,617		699	466		80

¹ Excluding 14,502,932 acres reported for corn cut for fodder, a large part of which is duplicated in the acreage shown for corn harvested as grain

² Including land in fruit orchards, vineyards, and planted nut trees (9,060,176 acres) which was not reported in 1919, excluding acreage of annual legumes saved for hay (3,067,710 acres) which is practically all duplicated in the acreage shown for the various individual annual legumes grown alone.

³ Published as "Kafir and milo" prior to 1929, figures include sorghum seed

⁴ Excluding velvet beans, the acreage of which was largely

⁵ Including velvet beans only ⁶ Tons of 2,000 pounds

⁷ Including farm gardens, except acreage in 1919 and 1920 which is acreage of vegetables harvested for sale

⁸ Including the acreage and value of sugarcane for sugar or for sale to mills, does not include the acreage of sugarcane for seed and other purposes not specified

⁹ Running bales ¹⁰ Including tangerines in 1919 and tangerines, mandarins, etc. in 1929. ¹¹ Less than \$500.

Source: Bureau of the Census, Department of Commerce.

No. 589.—ACREAGE OF 44 CROPS AND VALUE OF 64 CROPS: BY STATES

NOTE.—Includes corn (all), oats, barley, grain sorghums (all), wheat (all), rye, buckwheat, flaxseed, rice, beans (dry edible), soybeans alone, cowpeas alone, peanuts alone, velvet beans alone, tame hay (all), wild hay, sweet sorghums for forage and hay, timothy seed, red and alsike clover seed, sweet clover seed, Lespedeza seed, alfalfa seed, cotton, tobacco, sorgo sirup, sugar cane (all), sugar beets, broomcorn, potatoes, sweetpotatoes, asparagus, snap beans, cabbage, cantaloupes, cauliflower, celery, sweet corn, cucumbers, lettuce, onions, green peas, spinach, tomatoes, and watermelons; farm value also includes apples (all), peaches, pears, grapes, cranberries, oranges, hops, cherries, pecans, grapefruit, lemons, limes, apricots, plums, prunes (all), figs, olives, almonds, walnuts, maple products. Duplications are excluded.

Division and State	Acreage of 44 crops (thousands)			Farm value of 64 crops (thousands of dollars) ¹		
	1931	1932	1933	1931	1932	1933
United States.....	350,747	354,681	322,465	4,070,700	2,858,851	4,062,758
New England.....	3,568	3,568	3,549	84,876	74,576	99,355
Maine.....	1,822	1,325	1,314	23,357	22,235	38,931
New Hampshire.....	377	371	370	6,612	5,743	7,442
Vermont.....	1,068	1,075	1,069	17,735	16,552	18,937
Massachusetts.....	407	406	404	19,106	15,708	18,036
Rhode Island.....	47	48	50	1,630	1,450	1,793
Connecticut.....	348	343	343	16,436	12,888	14,216
Middle Atlantic.....	13,370	13,242	13,215	276,169	199,927	268,159
New York.....	6,487	6,450	6,455	123,601	91,880	119,150
New Jersey.....	667	663	663	31,237	26,871	33,865
Pennsylvania.....	6,216	6,128	6,098	121,331	81,676	115,344
East North Central.....	57,068	55,406	53,186	677,302	425,906	587,494
Ohio.....	9,973	9,428	9,336	143,345	73,182	112,476
Indiana.....	10,782	10,389	9,649	118,807	64,661	91,918
Illinois.....	19,317	18,801	17,426	202,562	117,241	158,653
Michigan.....	7,456	7,299	7,222	96,887	74,968	102,966
Wisconsin.....	9,540	9,539	9,533	120,701	95,854	121,481
West North Central.....	134,401	140,649	122,694	911,327	597,207	829,867
Minnesota.....	18,703	18,973	18,787	146,395	109,323	145,245
Iowa.....	22,297	22,397	21,741	222,071	123,177	214,492
Missouri.....	14,143	13,751	12,987	131,128	82,655	121,969
North Dakota.....	16,269	21,802	18,611	59,071	61,602	77,098
South Dakota.....	15,110	17,709	8,798	44,136	50,500	31,358
Nebraska.....	21,703	21,794	21,470	140,262	87,501	133,601
Kansas.....	26,177	24,223	20,300	168,264	82,449	106,104
South Atlantic.....	27,375	26,870	25,688	528,046	375,467	609,167
Delaware.....	381	377	372	7,818	5,469	7,311
Maryland.....	1,661	1,615	1,435	34,761	24,860	31,586
Virginia.....	3,838	3,572	3,685	76,567	46,331	81,461
West Virginia.....	1,450	1,414	1,429	27,016	17,869	25,645
North Carolina.....	6,033	5,913	5,922	132,090	104,167	192,595
South Carolina.....	4,348	4,351	3,956	70,857	51,822	86,347
Georgia.....	8,447	8,426	7,538	101,528	67,029	128,803
Florida.....	1,217	1,203	1,161	77,409	57,920	55,359
East South Central.....	25,780	25,381	22,974	367,198	280,035	397,157
Kentucky.....	5,399	5,126	4,990	92,717	67,902	94,585
Tennessee.....	6,100	6,044	5,712	88,805	63,413	101,091
Alabama.....	7,394	7,367	6,363	86,481	62,083	100,025
Mississippi.....	6,887	6,844	5,909	99,195	66,637	101,456
West South Central.....	58,842	58,270	48,983	598,778	431,261	642,048
Arkansas.....	6,607	6,613	5,979	107,199	68,651	97,933
Louisiana.....	4,143	3,969	3,448	72,929	54,556	67,982
Oklahoma.....	15,673	15,025	12,734	109,740	74,890	122,755
Texas.....	32,419	30,663	26,802	308,910	233,164	353,378
Mountain.....	19,638	21,980	21,323	217,658	170,049	223,928
Montana.....	4,979	7,575	6,896	54,654	41,033	43,459
Idaho.....	2,714	3,016	2,890	47,102	34,268	49,802
Wyoming.....	1,793	2,036	1,984	17,050	13,764	17,618
Colorado.....	6,592	5,769	6,110	60,124	38,362	58,050
New Mexico.....	1,723	1,574	1,451	19,716	9,878	17,025
Arizona.....	483	456	468	16,413	12,494	15,984
Utah.....	1,113	1,186	1,174	19,626	17,018	19,000
Nevada.....	240	368	351	3,173	3,242	2,990
Pacific.....	10,708	11,315	10,882	409,146	324,423	405,583
Washington.....	3,555	3,428	3,359	75,390	50,609	77,209
Oregon.....	2,528	2,731	2,677	43,041	34,556	51,297
California.....	4,625	5,156	4,846	290,715	239,258	277,077

¹ Based on Dec. 1 prices received by producers except for some early marketed crops for which prices for the marketing season is used

Source. Bureau of Agricultural Economics, Department of Agriculture.

No. 590.—PRODUCTION OF SELECTED AGRICULTURAL COMMODITIES

NOTE.—Data are for the crop or growth year. Blank lines indicate that data are not available. The weight of a bushel of wheat is 60 pounds, a bushel of corn, 56 pounds

Year	Corn	Wheat	Rice ¹	Sugar		Cotton ²		Wool
				Beet (chiefly refined)	Cane (chiefly raw)	Running bales ³	500-pound bales ⁴	
	1,000 bushels	1,000 bushels	1,000 pounds	1,000 pounds	1,000 pounds	Thousands	Thousands	1,000 pounds
1800.			^a 67,234			154	73	
1810.			^a 78,805			286	178	
1820.			53,292			576	336	
1830.			81,352			1,026	732	
1840.	^a 377,532	^a 84,823	82,253		^a 120,851	1,635	1,348	^a 35,80
1850.	^a 592,071	^a 100,486	120,776		^a 247,577	2,434	2,136	^a 52,517
1860.	^a 838,793	^a 173,105	106,279		24,725	3,949	3,841	^a 60,265
1865.			10,246		20,650	2,269	2,064	143,000
1870.	1,094,255	235,885	54,889	^a 7896	178,304	4,352	4,025	162,000
1875.	1,321,069	292,136	83,861	^a 8224	172,480	4,632	4,303	181,000
1880.	1,717,435	498,550	111,869	^a 1,120	285,302	6,606	6,357	232,500
1885.	1,936,176	357,112	150,195	1,344	302,754	6,576	6,369	308,000
1887.	1,456,161	456,329	153,631	572	375,904	7,047	6,885	285,000
1888.	1,987,790	415,868	124,733	4,168	344,766	6,938	6,924	269,000
1889.	1,998,648	434,883	131,722	4,634	301,284	7,473	7,473	265,000
1890.	1,460,406	378,097	136,800	7,748	497,170	8,653	8,562	276,000
1891.	2,055,823	584,504	155,666	12,004	370,580	9,035	8,941	285,000
1892.	1,713,688	527,987	237,547	27,084	498,456	6,700	6,658	294,000
1893.	1,707,572	427,553	122,865	45,192	610,826	7,493	7,433	348,538
1894.	1,339,680	516,485	109,821	45,006	729,394	9,901	10,026	325,211
1895.	2,310,952	569,456	168,665	65,452	543,636	7,161	7,147	294,297
1896.	2,503,484	544,193	96,886	84,080	644,176	8,533	8,516	272,476
1897.	2,144,553	610,254	116,802	90,492	708,252	10,898	10,985	259,153
1898.	2,261,119	732,163	136,991	72,736	568,788	11,278	11,526	266,721
1899.	2,454,628	636,051	219,278	163,458	322,548	9,393	9,345	272,191
1900.	2,505,148	602,708	253,139	172,164	623,772	10,102	10,123	288,637
1901.	1,613,528	788,638	388,035	369,212	728,650	9,583	9,510	302,502
1902.	2,618,499	724,808	319,293	436,812	745,806	10,588	10,631	316,341
1903.	2,546,897	663,923	660,750	481,208	556,140	9,820	9,851	287,450
1904.	2,526,662	596,911	586,005	484,226	829,990	13,451	13,438	291,783
1905.	2,748,949	726,819	377,975	625,842	781,204	10,495	10,875	295,488
1906.	2,897,662	786,775	495,976	967,224	544,320	12,983	13,274	298,915
1907.	2,512,065	637,981	520,504	927,256	788,480	11,058	11,107	298,295
1908.	2,544,957	644,656	608,060	851,768	828,800	13,086	13,242	311,138
1909.	2,572,336	700,434	572,421	1,024,938	663,452	10,073	10,005	328,111
1910.	2,886,260	635,121	680,839	1,020,344	710,089	11,568	11,609	321,363
1911.	2,531,488	621,338	637,061	1,199,000	721,748	15,553	15,693	318,548
1912.	3,124,746	730,267	695,950	1,385,112	325,147	13,489	13,703	304,043
1913.	2,446,988	763,880	715,117	1,466,802	601,075	13,983	14,156	296,175
1914.	2,672,804	891,017	656,922	1,444,108	493,240	15,906	16,135	290,192
1915.	2,994,793	1,025,801	804,090	1,748,440	277,240	11,068	11,192	285,726
1916.	2,866,927	636,818	1,135,037	1,641,314	621,799	11,364	11,450	288,490
1917.	3,065,233	636,655	964,980	1,530,414	491,680	11,248	11,302	281,892
1918.	2,502,665	921,438	1,072,397	1,521,900	568,800	11,906	12,041	298,870
1919.	2,678,541	952,097	1,185,815	1,452,902	244,250	11,326	11,421	298,258
1920.	3,070,004	843,277	1,434,678	2,178,000	352,228	13,271	13,440	293,517
1921.	2,928,442	818,964	1,090,953	2,041,000	655,399	7,978	7,954	289,965
1922.	2,707,306	846,649	1,157,315	1,350,000	591,470	9,729	9,762	270,109
1923.	2,875,292	759,482	823,285	1,762,000	329,646	10,171	10,140	272,395
1924.	2,298,071	840,091	905,368	2,180,000	^a 176,968	13,639	13,628	280,931
1925.	2,853,083	669,142	909,341	1,826,000	^a 276,763	16,123	16,104	299,632
1926.	2,574,511	833,544	1,150,426	1,794,000	^a 94,332	17,755	17,977	318,500
1927.	2,677,671	874,733	1,233,954	2,186,000	^a 141,587	12,783	12,956	340,009
1928.	2,714,535	912,961	1,206,510	2,122,000	^a 264,107	14,297	14,478	366,488
1929.	2,535,546	822,180	1,127,898	2,036,000	^a 399,217	14,548	14,825	382,066
1930.	2,065,273	889,702	1,247,871	2,416,000	^a 367,387	13,756	13,932	412,211
1931.	2,588,509	932,221	1,246,482	2,312,000	^a 313,234	16,629	17,066	438,328
1932.	2,906,873	744,076	1,122,453	2,714,000	^a 445,520	12,710	13,002	412,450
1933. ¹⁰	2,330,237	527,413	989,425	3,284,000	^a 410,000	12,664	13,047	428,930

¹ In terms of cleaned. Figures for 1800 to 1903 represent commercial movement, as given by Dan Talmage's Sons Co

² Figures for the years 1810 to 1893 includeinters excluded in subsequent years.

³ Counting round as half bales.

⁴ Equivalent 500-pound bales, gross weight.

⁵ Exports.

⁶ Census figures for the previous year.

⁷ Mean annual production not exceeding quantity stated.

⁸ Production uncertain; not exceeding quantity stated.

⁹ Louisiana only

¹⁰ All figures except cotton production are preliminary

Sources. Cotton, 1899 to date, Bureau of the Census, Department of Commerce; other figures, Bureau of Agricultural Economics, Department of Agriculture, except as noted.

No. 591.—SUMMARY FOR PRINCIPAL CROPS: ESTIMATED ACREAGE, YIELD, PRODUCTION, VALUE, AND AVERAGE PRICE RECEIVED BY PRODUCERS

NOTE.—Tons are of 2,000 pounds. For weights of the units of measurement for principal products, see Appendix, p 772. The approximate weights of units of measurements for other products are as follows: Number of pounds to a bushel—sweetpotatoes, 54; grain sorghums, 56; clover seed, 60. Number of pounds to a barrel of cranberries, 100. Prices and yields for the periods are weighted averages except for cotton and cottonseed, which are simple averages of prices and yields for the individual years.

Yearly average or year	Acres harvested	Production	Farm value Dec 1 ¹	Yield per acre	Price, Dec 1 ²	Acres harvested	Production	Farm value Dec 1 ¹	Yield per acre	Price Dec 1 ²
Corn						Wheat				
	1,000 acres	1,000 bushels	1,000 dollars	Bushels	Cents per bushel	1,000 acres	1,000 bushels	1,000 dollars	Bushels	Cents per bushel
1866-1875	37, 216	969, 948	544, 535	26 1	46 9	20, 470	244, 672	257, 587	12 0	105 3
1876-1885	61, 671	1, 564, 992	617, 780	25 4	39 5	34, 433	425, 054	391, 105	12 3	92 0
1886-1895	74, 274	1, 769, 616	648, 785	23 8	36 7	37, 500	476, 788	321, 071	12 7	67 3
1896-1900	90, 589	2, 373, 787	669, 420	26 2	28 2	48, 989	633, 074	415, 922	12 9	65 7
1901-1905	93, 545	2, 371, 507	1, 046, 632	25 4	44 1	50, 194	700, 220	501, 277	14 0	71 6
1906-1910	97, 327	2, 632, 656	1, 367, 068	27 6	51 0	45, 766	674, 993	579, 535	14 7	85 9
1911-1915	105, 672	2, 754, 164	1, 644, 511	26 1	59 7	51, 910	806, 361	705, 890	15 5	87 5
1916-1920	105, 199	2, 776, 794	3, 104, 945	26 4	111 8	58, 528	797, 957	1, 555, 782	13 6	195 0
1921-1925	101, 275	2, 732, 439	2, 079, 605	27 0	76 1	57, 557	786, 866	874, 835	13 7	111 2
1926-1930	99, 407	2, 513, 507	1, 950, 367	25 3	77 6	60, 330	866, 624	882, 660	14 4	101 9
1917	116, 730	3, 065, 233	3, 920, 228	26 3	127 9	45, 089	636, 655	1, 278, 112	14 1	200 8
1918	104, 467	2, 502, 665	3, 416, 240	24 0	136 5	59, 181	921, 438	1, 881, 826	15 6	204 2
1919	98, 145	2, 678, 541	4, 035, 445	27 3	150 7	73, 700	932, 097	2, 059, 421	12 9	216 3
1920	101, 359	3, 070, 604	1, 872, 085	30 3	61 0	62, 358	843, 277	1, 539, 584	13 5	182 6
1921	103, 155	2, 928, 442	1, 544, 722	28 4	52 7	64, 566	818, 964	843, 458	12 7	103 0
1922	100, 345	2, 707, 306	2, 036, 831	27 0	75 2	61, 397	846, 649	817, 929	13 8	96 6
1923	101, 123	2, 875, 292	2, 400, 513	28 4	83 5	56, 920	759, 482	703, 283	13 3	92 6
1924	100, 420	2, 298, 071	2, 420, 928	22 9	105 3	52, 460	840, 091	1, 047, 708	16 0	124 7
1925	101, 331	2, 853, 083	1, 995, 031	28 2	69 9	52, 441	669, 142	961, 801	12 8	143 7
1926	99, 452	2, 574, 511	1, 938, 403	25 9	75 3	56, 815	833, 544	1, 014, 623	14 7	121 7
1927	98, 357	2, 677, 671	2, 273, 599	27 2	84 9	59, 628	874, 733	1, 041, 209	14 7	119 0
1928	100, 336	2, 714, 535	2, 288, 041	27 1	84 3	59, 226	912, 961	1, 011, 065	14 4	99 8
1929	97, 806	2, 535, 546	2, 024, 132	25 9	79 8	63, 320	822, 180	850, 308	13 0	103 4
1930	101, 083	2, 065, 273	1, 227, 659	20 4	59 4	62, 661	889, 702	596, 096	14 2	67 0
1931	105, 948	2, 588, 509	830, 725	24 4	32 1	57, 103	932, 221	363, 727	10 3	39 0
1932	108, 688	2, 906, 873	925, 277	26 8	31 8	57, 204	744, 076	282, 253	13 0	37 9
1933 (prel.)	102, 239	2, 330, 237	945, 963	22 8	40 6	47, 493	527, 413	385, 365	11 1	73 1
Oats						Rye				
1866-1875	9, 680	272, 993	102, 423	28 2	37 5	1, 347	18, 267	14, 559	13 6	79 7
1876-1885	17, 143	469, 856	152, 594	27 4	32 5	1, 892	24, 625	15, 540	13 0	63 1
1886-1895	27, 482	717, 266	207, 143	26 1	28 9	2, 188	27, 975	15, 278	12 8	54 6
1896-1900	29, 319	850, 734	195, 750	29 0	23 0	2, 074	31, 272	14, 142	15 1	45 2
1901-1905	30, 953	960, 080	310, 961	31 0	32 4	2, 077	33, 064	19, 091	15 9	57 7
1906-1910	34, 741	989, 171	386, 508	28 5	39 1	2, 182	35, 617	24, 723	16 3	69 4
1911-1915	38, 703	1, 230, 499	473, 133	31 8	38 5	2, 494	41, 399	31, 903	16 6	77 1
1916-1920	42, 352	1, 386, 719	886, 634	32 7	63 9	5, 183	68, 682	101, 518	13 3	147 8
1921-1925	42, 441	1, 251, 023	498, 650	29 5	39 9	4, 867	63, 965	47, 809	13 2	74 7
1926-1930	40, 227	1, 189, 962	477, 944	29 6	40 2	3, 382	41, 564	31, 170	12 3	75 0
1917	43, 553	1, 592, 740	1, 061, 474	36 6	66 6	4, 317	62, 933	104, 447	14 6	166 0
1918	44, 349	1, 538, 124	1, 090, 322	34 7	70 9	6, 391	91, 041	138, 038	14 2	151 6
1919	39, 601	1, 106, 603	848, 534	27 9	76 7	7, 168	78, 659	114, 801	11 0	145 9
1920	42, 732	1, 444, 291	776, 913	33 8	53 8	4, 825	61, 915	90, 626	12 8	146 4
1921	45, 539	1, 045, 270	336, 603	23 0	32 2	4, 851	61, 023	51, 274	12 6	84 0
1922	40, 324	1, 147, 905	429, 354	28 5	37 4	6, 757	100, 986	64, 523	14 9	63 9
1923	40, 245	1, 227, 184	499, 701	30 5	40 7	4, 936	55, 961	33, 168	11 3	59 3
1924	41, 857	1, 424, 422	680, 378	34 0	47 8	3, 941	59, 076	56, 261	15 0	95 2
1925	44, 240	1, 410, 336	547, 212	31 9	38 8	3, 800	42, 779	33, 819	11 3	79 1
1926	42, 854	1, 141, 941	457, 766	26 6	40 1	3, 419	35, 361	29, 348	10 3	83 0
1927	40, 380	1, 093, 087	515, 277	27 1	47 1	3, 458	52, 111	43, 487	15 1	83 5
1928	40, 128	1, 318, 977	537, 186	32 9	40 7	3, 310	38, 691	32, 255	11 7	83 6
1929	38, 148	1, 118, 414	468, 369	29 3	41 9	3, 110	35, 482	30, 395	11 4	85 7
1930	39, 653	1, 277, 379	411, 070	32 2	32 2	3, 612	46, 275	20, 366	12 8	44 0
1931	40, 084	1, 126, 913	239, 953	28 1	21 3	3, 104	32, 290	10, 663	10 4	33 7
1932	41, 425	1, 246, 658	195, 290	30 1	15 7	3, 344	40, 639	11, 598	12 2	27 6
1933 (prel.)	36, 541	722, 485	229, 695	19 8	31 8	2, 352	21, 184	12, 193	9 0	59 4

¹ Values are based on average prices for crop marketing season for years for which such prices are shown.

² Received by producers. Beginning 1919, prices are weighted averages prices for the crop marketing season.

No. 591.—SUMMARY FOR PRINCIPAL CROPS: ESTIMATED ACREAGE, YIELD, PRODUCTION, VALUE, AND AVERAGE PRICE RECEIVED BY PRODUCERS—Continued

Yearly average or year	Acreage harvested	Production	Farm value Dec 1 ¹	Yield per acre	Price Dec. 1 ²	Acreage harvested	Production	Farm value Dec 1 ¹	Yield per acre	Price Dec 1 ²
Barley						Buckwheat				
	1,000 acres	1,000 bushels	1,000 dollars	Bus	Cents per bushel	1,000 acres	1,000 bushels	1,000 dollars	Bus	Cents per bushel
1866-1875----	1,196	26,992	21,382	22 6	79 2	730	13,369	9,735	18 3	72 8
1876-1885----	2,102	47,029	28,687	22 4	61 0	799	11,616	7,510	14 5	64 7
1886-1895----	3,490	79,646	37,404	22 8	47 0	879	12,854	7,031	14 6	54 7
1896-1900----	4,315	103,038	37,908	23 9	36 8	821	14,367	6,720	17 5	46 8
1901-1905----	5,520	150,046	64,820	27 2	43 2	859	15,670	9,343	18 2	59 6
1906-1910----	7,281	181,788	99,631	25 0	54 8	859	16,543	11,313	19 3	68 4
1911-1915----	7,474	197,211	114,389	26 4	58 0	808	16,514	12,127	20 4	73 4
1916-1920----	8,090	190,484	188,733	23 5	99 1	848	13,898	20,474	16 4	147 3
1921-1925----	7,210	160,939	93,819	22 3	58 3	707	12,052	11,283	17 0	93 6
1926-1930----	11,261	263,629	144,282	23 4	54 7	664	9,913	8,731	14 9	88 1
1917-----	8,933	211,759	240,758	23 7	113 7	924	16,022	25,631	17 3	160 0
1918-----	9,740	256,225	234,942	26 3	91 7	1,027	16,905	28,142	16 5	166 5
1919-----	6,579	131,086	163,045	19 9	124 4	733	12,707	20,163	17 3	158 7
1920-----	7,439	171,042	144,276	23 0	84 4	729	12,193	15,288	16 7	125 4
1921-----	7,074	132,702	63,471	18 8	47 8	640	11,822	10,391	18 5	87 9
1922-----	6,601	152,908	76,314	23 2	49 9	729	11,776	10,536	16 2	89 5
1923-----	7,151	158,994	86,868	22 2	54 6	689	11,596	11,104	16 8	95 8
1924-----	7,038	167,314	124,086	23 8	74 2	737	12,508	13,433	17 0	107 4
1925-----	8,186	192,779	118,355	23 5	61 4	742	12,559	10,950	16 9	87 2
1926-----	7,917	164,467	95,288	20 8	57 9	679	10,976	9,565	16 2	87 1
1927-----	9,465	240,057	165,421	25 4	68 9	764	12,820	11,137	16 8	86 9
1928-----	12,735	329,625	187,133	25 9	56 8	679	10,117	9,096	14 9	89 9
1929-----	13,523	280,242	160,946	20 7	53 9	627	8,692	8,367	13 9	96 3
1930-----	12,666	303,752	122,620	24 0	40 4	573	6,960	5,493	12 1	78 9
1931-----	11,424	198,543	64,563	17 4	32 5	505	8,890	3,764	17 6	42 3
1932-----	13,346	302,042	66,394	22 6	22 0	454	6,727	2,918	14 8	43 4
1933 (prel.)--	10,052	156,104	65,103	15 5	41 7	462	7,844	4,292	17 0	54 7
Rice (rough)						Flaxseed				
1906-1910----	638	20,720	16,598	32 5	80 1	2,520	21,930	28,151	8 7	128 4
1911-1915----	749	25,266	22,370	33 7	88 5	2,186	18,615	26,120	8 5	140 3
1916-1920----	1,068	41,709	70,162	39 1	168 2	1,662	10,900	32,700	6 6	300 0
1921-1925----	921	35,901	41,240	39 0	114 9	2,166	17,753	37,815	8 2	213 0
1926-1930----	963	42,960	40,076	44 6	93 3	2,979	20,011	40,456	6 7	202 2
1918-----	1,119	38,606	74,042	34 5	191 8	1,910	13,369	45,470	7 0	340 1
1919-----	1,070	42,689	113,570	39 9	266 0	1,293	6,770	29,932	5 2	442 1
1920-----	1,299	51,648	61,006	39 8	118 1	1,647	10,900	25,375	6 6	232 8
1921-----	990	39,274	37,239	39 7	94 8	1,143	8,107	13,411	7 1	165 4
1922-----	1,063	41,663	38,686	39 6	92 9	1,113	10,520	21,836	9 5	207 6
1923-----	874	33,238	36,615	38 0	110 2	2,015	16,563	35,192	8 2	212 5
1924-----	837	32,593	44,852	38 9	137 6	3,535	31,237	68,055	8 8	217 9
1925-----	849	32,736	48,809	38 6	149 1	3,022	22,337	50,582	7 4	226 4
1926-----	1,006	41,415	46,205	41 2	111 6	2,736	18,537	37,665	6 8	203 2
1927-----	1,024	44,422	39,554	43 4	89 0	2,763	25,183	48,488	9 1	192 5
1928-----	962	43,434	39,029	45 1	89 9	2,611	19,140	37,118	7 3	193 9
1929-----	860	40,604	40,384	47 2	99 5	3,047	15,910	44,733	5 2	281 2
1930-----	961	44,923	35,209	46 7	78 4	3,736	21,287	34,278	5 7	161 0
1931-----	964	44,873	22,247	46 5	49 6	2,416	11,798	13,758	4 9	116 6
1932-----	868	40,408	16,910	46 6	41 8	1,975	11,671	10,280	5 9	88 1
1933 (prel.)--	769	35,619	27,765	46 3	77 9	1,283	6,785	10,797	5 3	159 1

¹ Values are based on average prices for crop-marketing season for years for which such prices are shown
² Received by producers Prices for barley, buckwheat, and flaxseed beginning 1919 are weighted average prices for the crop marketing season, prices for rice, 1924 to 1932, are average prices for the crop-marketing season, for 1933, Dec. 1 price

No. 591.—SUMMARY FOR PRINCIPAL CROPS ESTIMATED ACREAGE, YIELD, PRODUCTION, VALUE, AND AVERAGE PRICE RECEIVED BY PRODUCERS—Continued

Yearly average or year	Acres harvested	Production	Farm value Dec 1 ¹	Yield per acre	Price Dec 1 ⁴	Acres harvested	Production	Farm value Dec 1 ¹	Yield per acre	Price Dec 1 ⁴
Potatoes						Sweetpotatoes				
	1,000 acres	1,000 bushels	1,000 dollars	Bushels	Cents per bushel	1,000 acres	1,000 bushels	1,000 dollars	Bushels	Cents per bushel
1866-1875	1,261	117,266	62,764	93 0	53 5	---	---	---	---	---
1876-1885	1,998	162,229	82,085	81 2	50 6	---	---	---	---	---
1886-1895	2,653	197,285	92,938	74 4	47 1	---	---	---	---	---
1896-1900	2,911	237,916	96,250	81 7	40 5	---	---	---	---	---
1901-1905	3,104	277,150	155,388	89 3	56 1	545	47,730	27,943	87.6	58 5
1906-1910	3,502	340,045	196,904	97 1	57 9	600	54,563	36,457	90 9	68 8
1911-1915	3,689	362,910	219,137	98 4	60 4	629	60,257	42,525	95.8	70 6
1916-1920	3,769	361,433	502,691	95 9	139 1	839	79,649	102,802	94.9	129 1
1921-1925	3,370	358,672	352,390	106 4	98 2	703	62,342	78,193	88 7	125 4
1926-1930	3,090	355,427	364,006	115 0	102 4	661	62,483	71,274	94 5	114 1
1917	4,384	442,108	542,774	100 8	122 8	919	83,822	92,916	91 2	110 8
1918	4,285	411,860	491,527	95 9	119 3	940	87,924	118,863	93 5	135 2
1919	3,800	297,341	568,259	90 1	191 1	792	78,422	132,676	99 0	169 2
1920	3,301	368,904	491,561	111 8	133 2	768	77,124	109,416	100 4	141 9
1921	3,598	325,312	369,109	90 4	113 5	819	73,958	83,947	90.3	113 5
1922	3,946	419,288	287,792	106 3	68 6	819	78,665	79,306	96 1	100 8
1923	3,378	366,356	335,310	108 5	91 5	675	64,041	77,474	94 9	121 0
1924	3,110	384,837	274,972	123 7	71 5	567	45,201	67,799	79 7	150 0
1925	2,819	297,567	494,765	105 6	166 3	697	49,845	82,448	78 2	165 4
1926	2,813	322,350	439,469	114 6	136 3	646	63,531	74,629	98 3	117 5
1927	3,166	368,813	401,788	116 5	108 9	724	71,156	77,639	98 3	109 0
1928	3,469	425,626	243,542	122 7	57 2	638	59,650	70,637	93 5	118 4
1929	2,973	327,652	430,950	110 2	131 5	646	64,963	76,081	100 6	117 1
1930	3,030	332,693	304,282	109 8	91 5	649	53,117	57,482	81 8	108 2
1931	3,366	372,994	173,150	110 8	46 4	785	63,043	45,688	80 3	72 5
1932	3,381	358,009	138,877	105 9	38 8	926	78,431	42,154	84 7	53 7
1933 (prel.)	3,184	317,143	261,634	99.6	82 5	761	65,073	43,686	85 5	67 1
Cotton (excluding linters) ⁵						Cottonseed				
	1,000 bales ⁶	1,000 dollars	Lbs	Cents per pound		1,000 short tons	1,000 dollars			Dolls. per ton
1866-1875	9,046	3,389	---	162 6	---	1,382	---	---	---	---
1876-1885	15,147	5,706	---	172 2	---	2,419	---	---	---	---
1886-1895	20,016	7,691	289,493	181 5	7 70	3,389	---	---	---	---
1896-1900	24,425	10,036	354,063	197.4	7 04	4,486	---	---	---	---
1901-1905	28,041	10,801	485,555	183 8	8 98	4,800	---	---	---	---
1906-1910	31,057	11,847	659,464	182 3	11 30	5,262	---	---	---	---
1911-1915	33,649	14,167	728,937	200 7	10 43	6,292	131,225	281,627	21.54	---
1916-1920	33,534	11,918	1,469,978	169 9	24 94	5,295	121,627	174,429	54 15	---
1921-1925	35,896	11,515	1,276,757	151 2	22 21	5,112	174,429	188,440	34 32	---
1926-1930	42,219	14,834	1,127,047	167 8	15 38	6,592	188,440	---	29.02	---
1917	32,245	11,284	1,529,862	167.4	27 12	5,012	331,407	---	66 12	---
1918	35,038	12,018	1,738,071	164 1	28 93	5,341	348,323	---	65 22	---
1919	32,906	11,411	2,020,398	165 9	35 41	5,069	340,653	---	67 20	---
1920	34,408	13,429	1,069,257	186 7	15 92	5,966	136,882	---	22.94	---
1921	28,678	7,945	675,773	132 5	17 01	3,528	104,828	---	29 71	---
1922	31,361	9,755	1,115,678	148 8	22 87	4,330	150,416	---	34 74	---
1923	35,550	10,140	1,454,320	136 4	28 69	4,503	190,312	---	42 26	---
1924	39,503	13,630	1,561,022	165 0	22 91	6,050	206,212	---	34 08	---
1925	44,390	16,105	1,577,091	173 5	19 59	7,150	220,379	---	30 82	---
1926	44,616	17,978	1,121,210	192 8	12 47	7,989	172,131	---	21 55	---
1927	38,349	12,956	1,308,090	181 7	20 19	5,758	206,940	---	35 94	---
1928	42,432	14,477	1,302,040	183 3	17 99	6,434	226,841	---	35 26	---
1929	42,242	14,825	1,244,847	164 1	16 79	6,590	200,532	---	30 43	---
1930	42,454	13,932	659,047	157 0	9 46	6,190	135,755	---	21 93	---
1931	38,705	17,095	483,666	211 5	5 66	7,603	72,402	---	9 52	---
1932	35,939	13,001	424,000	173 3	6 52	5,783	59,881	---	10 35	---
1933 (prel.)	29,978	13,047	633,266	208 5	9 71	5,804	83,741	---	14 43	---

¹ Values are based on average prices for crop marketing season for years for which such prices are shown.² Received by producers. Beginning with 1919 for potatoes and sweetpotatoes, with 1908 for cotton, and with 1911 for cottonseed, prices are weighted average prices for the crop marketing season.³ State production figures, which conform with census annual ginning enumerations, with allowance for cross State ginnings, rounded to thousands and added for United States totals. Acreage and yield for all years have been revised to the level of the 1930 census, and cotton grown in Lower California, ginned in California from 1913 to 1924, excluded.⁴ Production is in running bales prior to 1899, 500-pound gross weight bales thereafter.⁵ Area in cultivation July 1 less removal of acreage reported by the Agricultural Adjustment Administration, less abandonment on area not under contract.

No. 591.—SUMMARY FOR PRINCIPAL CROPS: ESTIMATED ACREAGE, YIELD, PRODUCTION, VALUE, AND AVERAGE PRICE RECEIVED BY PRODUCERS—Continued

Yearly average or year	Acreage-harvested	Production	Farm value Dec 1 ¹	Yield per acre	Price Dec 1 ²	Acreage-harvested	Production	Farm value Dec. 1 ¹	Yield per acre	Price Dec 1 ²
Beans, dry, edible						Peanuts (for nuts)				
	1,000 acres	1,000 bags ³	1,000 dollars ¹⁰	Lbs	Dollars per bag ¹¹	1,000 acres	1,000 pounds	1,000 dollars	Lbs	Cents per lb ¹¹
1916-1920	1,332	8,127	64,713	610 1	8 08	1,413	1,043,292	67,494	738.4	6 5
1921-1925	1,302	8,926	44,398	685 6	4 97	1,052	710,743	36,413	675.6	5.1
1926-1930	1,708	11,107	59,343	650 3	5 34	1,138	811,001	35,919	712.7	4 4
1922	1,129	7,901	42,984	699 8	5 82	1,005	633,114	33,353	630 0	5 3
1923	1,322	9,587	48,734	725 2	5 37	896	647,762	42,055	722 9	6 5
1924	1,582	9,298	48,792	587 7	5 61	1,187	745,059	43,127	627 7	5 8
1925	1,614	11,760	53,774	728 6	5 00	958	698,475	31,562	729 1	4 5
1926	1,611	10,110	46,242	646 2	5 04	843	631,825	30,584	749 5	4 8
1927	1,450	9,120	47,515	629 0	5 52	1,142	864,549	43,818	757 0	5 1
1928	1,535	9,866	68,622	642 7	7.27	1,211	855,096	42,424	706 1	5 0
1929	1,836	12,240	79,118	666 7	6 77	1,360	956,448	36,156	703 3	3 8
1930	2,110	13,900	55,420	658 8	4.19	1,133	747,085	26,611	659 4	3 6
1931	1,913	12,843	25,825	671 4	2.14	1,419	1,097,930	22,270	773.7	2.0
1932	1,408	10,440	20,025	741 5	2.01	1,607	1,037,840	15,872	645 8	1 5
1933 (prel.)	1,671	12,280	32,397	734 9	2 79	1,361	920,505	24,330	676.3	2 6
Grain sorghums (kafirs, milo maize, feterita, etc.) for all purposes						Broomcorn				
	1,000 acres	1,000 bushels	1,000 dollars	Bushels	Cents per bushel ¹²	1,000 acres	1,000 short tons	1,000 dollars	Lbs.	Dolls. per ton ¹²
1916-1920	13 6,418	13 129,368	13 141,933	13 20 2	13 109 7	340	55	9,474	321 9	173 14
1921-1925	5,987	89,273	65,892	14 9	73 8	339	54	7,226	315 9	134 96
1926-1930	6,481	93,182	60,297	14 4	64 7	310	49	4,476	317 2	91 35
1922	5,496	75,580	65,898	13 7	87 3	275	38	8,376	278 1	219 27
1923	6,354	88,466	82,674	13 9	93 5	536	81	13,038	303 2	160 17
1924	5,690	87,870	75,095	15 5	85 5	434	78	7,459	358 0	96 00
1925	6,272	82,224	61,733	13 1	75 1	226	31	4,449	276 2	142 60
1926	6,440	101,502	55,007	15 8	54 2	319	55	4,325	342.7	79 07
1927	6,722	107,261	82,666	16 0	77 1	232	40	4,149	346 7	103 21
1928	6,527	111,690	73,418	17 1	65.7	269	54	5,222	360.7	97 06
1929	6,131	81,041	54,173	13 2	66 8	310	47	5,417	304 5	114 52
1930	6,586	64,416	36,220	9 8	56 2	391	50	3,267	254 7	65 60
1931	7,166	105,369	27,026	14 7	25 6	298	45	2,041	303 2	45 15
1932	7,864	106,306	20,349	13 5	19 1	304	37	1,381	243 6	37 43
1933 (prel.)	8,143	87,884	35,802	10 8	40 7	296	33	3,584	221 1	108 94
Clover seed (red and alsike) ¹⁴						Hops				
	1,000 acres	1,000 bushels	1,000 dollars	Bushels	Dollars per bushel	1,000 acres	1,000 pounds	1,000 dollars	Lbs.	Cents per lb
1916-1920	947	1,592	24,584	1 68	15 44	30	32,143	10,326	1,081	32 1
1921-1925	893	1,251	14,832	1 40	11 86	22	26,616	4,456	1,215	16.7
1926-1930	1,034	1,492	19,724	1 44	13 22	23	30,353	5,586	1,314	18.4
1922	1,194	1,815	18,205	1 52	10 03	23	27,744	2,383	1,186	8 6
1923	763	1,028	12,387	1 37	12 05	18	19,751	3,722	1,071	18 8
1924	809	927	13,465	1 15	14 61	20	27,670	2,863	1,360	10.3
1925	807	1,062	15,819	1 32	14 90	20	28,573	6,232	1,404	21 8
1926	530	728	12,895	1 37	17 71	21	31,522	7,296	1,516	23.1
1927	1,214	1,727	26,299	1 42	15 22	25	30,658	7,024	1,246	22 9
1928	617	961	15,590	1 56	16 22	26	32,944	6,365	1,257	19 3
1929	1,789	2,627	27,455	1 47	10 45	24	35,195	3,785	1,360	11.4
1930	1,019	1,419	16,383	1 39	11 55	20	28,447	3,462	1,202	14 8
1931	825	1,118	8,130	1 35	7 27	21	26,410	3,642	1,234	13 8
1932	1,101	1,686	8,457	1 53	5 02	22	24,058	4,199	1,094	15 17 5
1933 (prel.)	1,006	1,400	7,615	1 39	5 37	26	36,440	11,059	1,375	15 30 3

¹ Values are based on average prices for crop marketing season for years for which such prices are shown.

² Received by producers. See also notes on prices for each crop.

³ Bags of 100 pounds

¹⁰ Beginning with 1919, farm value of dry edible beans equals the price of cleaned beans applied to the production of cleaned beans rather than to the total production

¹¹ Nov. 15 prices, 1916 to 1918, beginning with 1919, weighted average prices for the crop marketing season, prices of beans being for cleaned beans

¹² Nov. 15 prices, 1916 to 1924, Dec. 1 prices, 1925 and 1926, average prices for the crop marketing season, 1927 to 1932; Dec. 1 price, 1933

¹³ Average for 1919 and 1920.

¹⁴ Includes sweet clover prior to 1924. Prices for 1916 to 1924 are as of Nov. 15; 1925 to 1928, Dec. 1, 1929 to 1933, weighted average prices for the crop marketing season.

¹⁵ Average price for the crop marketing season.

No. 591.—SUMMARY FOR PRINCIPAL CROPS: ESTIMATED ACREAGE, YIELD, PRODUCTION, VALUE, AND AVERAGE PRICE RECEIVED BY PRODUCERS—Continued

Yearly average or year	Acres harvested	Production	Farm value Dec 1 ¹	Yield per acre	Price Dec 1	Acres harvested	Production	Farm value Dec 1 ¹	Yield per acre	Price Dec 1
Hay (tame)						Tobacco				
	1,000 acres	1,000 tons	1,000 dollars	Short tons	Dollars per ton	1,000 acres	1,000 pounds	1,000 dollars	Lbs.	Cents per lb. ¹⁵
1866-1875	20,419	24,929	286,821	1 22	11 51	434	308,325	27,721	710	9 0
1876-1885	31,124	38,723	352,577	1 24	9 11	640	470,525	36,564	735	7 8
1886-1895	40,127	47,401	420,673	1 18	8 87	683	488,937	39,426	716	8 1
1896-1900	42,126	58,142	453,405	1 38	7 80	924	665,828	45,064	721	17 6 8
1901-1905	43,813	66,287	606,797	1 51	9 15	938	750,049	55,653	800	7 4
1906-1910	50,048	72,161	777,730	1 44	10 78	1,031	851,433	84,458	826	9 9
1911-1915	49,395	69,543	526,282	1 41	11 88	1,210	983,723	101,889	813	10 4
1916-1920	55,894	80,783	1,377,605	1 45	17 05	1,694	1,359,009	316,781	802	23 3
1921-1925	57,713	74,877	995,248	1 30	13 29	1,653	1,279,550	247,642	774	19 2
1926-1930	54,563	72,678	902,585	1 33	12 42	1,830	1,411,697	250,982	771	17 8
1922	59,280	80,790	1,013,898	1 36	12 55	1,616	1,254,304	286,417	776	22 8
1923	57,717	75,286	1,061,570	1 30	14 10	1,855	1,517,583	288,102	818	19 0
1924	59,058	80,118	1,105,367	1 36	13 80	1,702	1,244,928	268,937	731	19 0
1925	55,064	67,155	936,812	1 22	13 95	1,751	1,376,008	230,642	786	16 8
1926	54,851	67,478	949,972	1 23	14 08	1,628	1,289,272	231,208	792	17 9
1927	56,930	83,648	945,361	1 47	11 30	1,556	1,211,311	250,462	778	20 7
1928	53,395	72,586	887,296	1 36	12 22	1,864	1,373,214	274,620	736	20 0
1929	55,717	76,110	928,063	1 38	12 19	2,988	1,537,313	268,152	774	18 6
1930	52,623	63,566	802,231	1 21	12 62	2,132	1,647,377	212,467	774	18 9
1931	54,136	65,341	590,255	1 21	9 03	2,014	1,607,484	131,498	798	8 2
1932	53,282	70,199	466,752	1 32	6 65	1,414	1,022,558	107,357	723	10 2
1933 (prel.)	53,829	65,852	533,589	1 22	8 10	1,754	1,396,174	180,647	796	12 5 9
Wild hay						Sweet sorghum for forage and hay ¹⁵				
	1,000 acres	1,000 tons	1,000 dollars	Short tons	Dollars per ton	1,000 acres	1,000 tons	1,000 dollars	Short tons	Dollars per ton
1916-1920	16,320	16,161	204,048	0 99	12 62	2,089	3,640	34,281	1 74	9 42
1921-1925	15,486	13,301	102,115	.86	7 68	2,026	3,583	31,008	1 77	8 65
1926-1930	13,635	11,489	87,755	.84	7 64	2,037	3,133	33,158	1 54	10 88
1926	13,337	8,971	90,062	.67	10 04	2,366	4,994	38,413	2 11	7 69
1927	14,535	15,010	98,897	1 03	6 59	2,061	3,887	30,659	1 89	7 89
1928	12,924	11,525	83,548	.80	7 25	1,850	3,209	28,608	1 73	8 91
1929	13,586	11,194	89,975	.82	8 04	1,818	2,690	24,206	1 48	9 00
1930	13,793	10,744	76,297	.78	7 10	2,333	3,553	20,263	1 52	5 71
1931	12,253	8,367	51,637	.68	6 17	2,633	3,846	15,574	1 46	4 05
1932	14,275	12,137	48,834	.85	3 99	3,363	4,800	24,764	1 43	5 16
1933 (prel.)	12,315	8,633	44,964	.70	5 21					
Cranberries (principal producing States)						Oranges (two States) ¹⁹				
	1,000 acres	1,000 barrels	1,000 dollars	Barrels	Dollars per barrel		1,000 boxes ²⁰	1,000 dollars		Dollars per box ²¹
1916-1920	24	414	3,980	17 3	9 61		22,858	64,866		2 85
1921-1925	27	549	5,749	20 3	10 47		31,456	84,077		2 73
1926-1930	28	580	6,517	20 7	11 24		42,585	110,308		2 90
1925	28	569	6,370	20 3	11 20		34,544	100,070		2 86
1926	28	744	5,623	26 1	7 56		39,679	113,653		3 88
1927	28	406	6,089	17 4	12 28		32,670	126,707		1 99
1928	29	551	7,997	19 3	14 51		54,110	107,600		3 58
1929	29	549	7,188	19 2	13 10		31,787	113,872		1 64
1930	28	560	5,688	20 2	10 15		54,681	89,706		1 33
1931	28	606	3,992	24 0	5 99		49,120	65,408		1 09
1932	28	565	4,029	20 4	7 13		50,027	54,563		1 12
1933 (prel.)	28	608	3,752	24 2	5 62		49,141	54,898		

¹ Values are based on average prices for crop marketing season for years for which such prices are shown

² Beginning with 1919, prices are average prices for the crop marketing season

³ 3-year average; no data for 1897 and 1898

⁴ Not included in tame hay

⁵ Production figures include fruit consumed on farms, sold locally, and used for manufacturing, as well as that shipped, they exclude fruit which ripened on the trees but was destroyed prior to picking. For California, figures relate to the crop produced from the bloom of the year shown, fruiting through the winter and the following spring and summer, being picked from Nov 1 of the year shown to Oct 31 of the following year. Fruit picked after the latter date is included with the crop of the following year. For Florida, estimates include all fruit picked after about Sept 1 of the year shown

⁶ Net content of boxes varies. In California, the approximate average is 70 lbs.; in Florida, 83 lbs.

⁷ Season average prices, 1919 to 1932, season average prices to Dec 31, 1933. California prices are for naked fruit at the packing-house door, Florida prices are for packed boxes minus selling charges on the commercial crop so handled and bulk prices for other commercial and noncommercial marketings.

⁸ Average price for the crop marketing season

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 592.—TRUCK CROPS: COMMERCIAL ACREAGE, PRODUCTION, AND VALUE,
FOR MARKET AND MANUFACTURE

NOTE—Only States with a crop of commercial importance are included. Approximate weights of the units of measurements are as follows: Number of pounds to the crate—aspargus, 24; cantaloupes, 60; cauliflower, 37, celery, 90 ($\frac{3}{4}$ size crates), strawberries, 36 (24-quart crates). Number of pounds to the bushel—beans, snap, 24; beans, lima, 28, beets, 56, carrots, 50, cucumbers, 48, eggplant, 38; kale, 18; onions, 57, peas, green, 32, peppers, 22, potatoes, 60, spinach, 20, tomatoes, 56. Number of pounds to a box of artichokes, 40. Lettuce is in western crates of 4 dozen heads. Tons are of 2,000 pounds. Values are based on average seasonal farm prices.

Crop	Acreage					Production (thousands of units)	
	1930	1931	1932	1933	1933, leading States	Unit	1930
Artichokes.....	8, 150	7, 500	6, 330	6, 350	Calif.	Box	1, 011
Asparagus.....	96, 810	102, 030	110, 790	116, 500	Calif., N J ..	Ton	125
Beans, lima.....	41, 940	40, 630	31, 000	28, 180	Va., N J	(¹)	
Beans, snap.....	188, 130	167, 140	153, 710	157, 910	Fla., N J	Ton	² 213
Beets.....	20, 650	15, 720	13, 710	14, 440	Tex., N J	do.	109
Cabbage.....	151, 860	150, 360	140, 310	124, 770	N Y., Tex.	do.	1, 018
Cantaloupes.....	129, 010	138, 310	135, 780	100, 050	Calif., Colo.	Crate	15, 823
Carrots.....	28, 060	31, 190	29, 850	32, 430	Calif., Tex.	Bushel	² 10, 784
Cauliflower.....	28, 410	29, 360	31, 800	30, 150	Calif., N Y.	Crate	6, 030
Celery.....	33, 340	32, 950	35, 600	31, 250	Calif., Mich.	do.	9, 875
Corn, sweet ³	399, 560	379, 730	187, 430	221, 090	Ill., Minn.	(¹)	
Cucumbers.....	174, 010	136, 740	77, 610	96, 570	Mich., Tex.	Bushel	² 13, 715
Eggplant.....	3, 600	3, 900	3, 650	4, 000	Fla., N J	do.	798
Kale.....	1, 800	2, 400	1, 800	1, 800	Va.	do.	738
Lettuce.....	173, 350	175, 430	163, 650	139, 110	Calif., Ariz.	Crate	19, 770
Onions.....	83, 210	77, 630	91, 670	78, 250	Tex., N Y.	Bushel	² 26, 038
Peas, green.....	347, 620	306, 670	299, 240	323, 640	Wis., Calif.	(¹)	
Peppermint, oil.....	57, 060	42, 640	27, 720	22, 850	Ind., Mich.	Pound	1, 103
Peppers, green.....	16, 570	18, 100	17, 270	17, 590	Fla., N J	Bushel	3, 650
Pimentos.....	8, 940	6, 740	8, 910	5, 350	Ga., Calif.	Ton	15
Potatoes, early Irish.....	325, 200	346, 800	275, 400	252, 600	Va., N J	Bushel	43, 863
Spinach.....	55, 740	56, 840	54, 450	74, 070	Tex., Calif.	Ton	152
Strawberries.....	173, 450	150, 460	189, 570	196, 950	La., Tenn.	Crate	9, 395
Tomatoes.....	562, 370	454, 760	437, 410	412, 880	Ind., Calif.	Ton	2, 227
Watermelons.....	235, 390	238, 820	233, 230	185, 950	Ga., Tex.	Number	82, 380

Crop	Production (thousands of units)—Contd.				Value (thousands of dollars)			
	1931	1932	1933	1933, leading States	1930	1931	1932	1933
Artichokes.....	818	570	743	Calif.	1, 516	1, 391	1, 197	921
Asparagus.....	110	108	125	Calif., N J ..	15, 669	13, 859	10, 275	9, 840
Beans, lima.....				Va., N J	2, 089	2, 425	1, 520	1, 081
Beans, snap.....	² 185	² 180	² 184	Fla., N J	19, 285	16, 019	12, 129	11, 624
Beets.....	² 92	68	71	Tex., N J	2, 046	1, 109	889	1, 024
Cabbage.....	² 1, 017	² 987	² 723	N Y., Wis.	19, 478	9, 827	11, 168	12, 531
Cantaloupes.....	² 17, 817	² 17, 021	² 12, 762	Calif., Colo.	19, 064	17, 385	11, 485	9, 589
Carrots.....	² 12, 314	² 10, 815	10, 565	Calif., Tex.	6, 211	5, 102	6, 318	4, 984
Cauliflower.....	7, 194	² 7, 730	² 7, 162	Calif., N Y.	5, 130	5, 554	4, 760	4, 321
Celery.....	9, 204	² 9, 894	² 8, 624	Calif., Mich.	15, 742	16, 904	11, 296	10, 681
Corn, sweet.....				Minn., Ill.	10, 254	9, 692	4, 026	4, 513
Cucumbers.....	² 10, 726	² 5, 207	6, 537	Mich., N J ..	11, 008	7, 675	3, 246	3, 908
Eggplant.....	811	809	910	Fla., N J	714	601	520	488
Kale.....	450	1, 080	900	Va.	295	240	216	315
Lettuce.....	19, 606	² 17, 820	17, 149	Calif., Ariz.	33, 889	28, 944	21, 729	21, 940
Onions.....	² 19, 163	² 27, 906	20, 802	N Y., Tex.	13, 220	14, 490	10, 435	12, 611
Peas, green.....	683	421	503	Calif., Wis.	23, 706	16, 602	13, 996	13, 498
Peppermint, oil.....				Ind., Mich.	2, 124	810	599	997
Peppers, green.....	4, 376	3, 894	4, 227	Fla., N J	3, 911	3, 348	2, 761	2, 040
Pimentos.....	9	15	7	Ga., Calif.	578	300	477	214
Potatoes, early Irish.....	46, 072	33, 320	30, 791	Va., N J	49, 149	29, 088	19, 578	31, 552
Spinach.....	170	139	151	Tex., Calif.	6, 649	5, 765	5, 743	4, 678
Strawberries.....	11, 156	² 13, 369	² 12, 718	La., Tenn.	38, 042	36, 988	24, 549	20, 970
Tomatoes.....	1, 445	1, 693	1, 427	Ind., Calif.	53, 683	29, 852	30, 413	29, 245
Watermelons.....	75, 509	60, 623	49, 983	Ga., Calif.	8, 934	7, 344	4, 162	4, 634

¹ Market and canning production estimated in different units which cannot properly be combined.

² Includes some quantities not harvested on account of market conditions. Value computed on harvested crop.

³ Mainly for canning, but includes also market crop for New Jersey.

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 593.—COTTON AND COTTONSEED: AREA, PRODUCTION, AND FARM VALUE, BY STATES

NOTE.—Cotton production excludes linters. Figures for production of cotton and cottonseed in some States differ slightly from Census figures on ginnings due to ginnings in one State of cotton grown in another. Where figures are not shown for the individual States, separate data are not available for the entire period but are included in the United States totals. Yields and prices for the periods are simple averages of the figures for the individual years. Tons are of 2,000 pounds. Acreage and yield per acre for all years have been revised by the Department of Agriculture and minor adjustments made in cotton and cottonseed production and value for several States. The value of cottonseed, 1911 to 1919, has been computed by the Bureau of Foreign and Domestic Commerce from data furnished by the Department of Agriculture.

Yearly average or year	Cotton					Cottonseed			Total farm value
	Acres	Bales (500 pounds gross)	Farm value	Yield per acre	Farm price per pound ¹	Quantity	Farm value	Farm price per ton ¹	
	Thousands	Thousands	1,000 dollars	Pounds	Cents	1,000 short tons	1,000 dollars	Dollars	1,000 dollars
United States:									
1911-1915	33,649	14,167	728,937	201	10 43	6,292	131,225	21 54	880,162
1916-1920	33,534	11,918	1,469,978	170	24 94	5,295	281,630	54 15	1,751,608
1921-1925	35,896	11,515	1,276,757	151	22 21	5,112	174,429	34 32	1,451,186
1926-1930	42,219	14,834	1,127,047	168	15 38	6,592	185,440	29 02	1,315,487
1928	42,432	14,477	1,302,040	163	17 99	6,484	226,841	35 26	1,628,881
1929	43,242	14,825	1,244,847	164	16 79	6,590	200,532	30 43	1,445,379
1930	42,454	13,932	659,047	157	9 46	6,190	135,755	21 93	794,802
1931	38,705	17,095	453,066	212	5 60	7,003	72,402	9 52	556,088
1932	35,939	13,001	424,000	173	6 52	5,783	59,881	10 35	483,881
1933 ²	29,978	13,047	633,266	209	9 71	5,804	83,741	14 43	717,007
Alabama									
1911-1915	3,570	1,463	74,917	194	10 44	650	13,889	22 52	88,806
1916-1920	2,450	643	81,882	126	24 96	285	16,721	58 28	98,603
1921-1925	2,797	864	95,312	146	22 47	384	13,576	36 17	108,888
1926-1930	3,438	1,319	97,728	183	15 20	586	16,896	29 59	114,624
1928	3,437	1,107	99,827	154	18 04	491	18,216	37 10	118,043
1929	3,555	1,337	110,657	180	16 55	594	17,998	30 30	128,655
1930	3,582	1,467	66,473	196	9 06	652	13,835	21 22	80,308
1931	3,271	1,415	39,894	207	5 64	629	6,391	10 16	46,285
1932	3,021	947	32,352	150	6 83	421	5,039	11 97	37,391
1933 ²	2,378	999	49,424	195	10 2	431	6,909	16 03	56,333
Arizona:									
1917-1920	118	60	13,147	254	46 25	26	1,209	-----	14,356
1921-1925	132	70	10,728	278	28 45	35	1,124	32 16	11,852
1926-1930	189	134	12,434	338	18 73	60	1,451	24 62	13,885
1928	200	149	17,322	357	23 18	66	1,975	29 92	19,297
1929	226	153	16,637	324	21 77	68	1,738	25 56	18,375
1930	215	155	9,301	346	11 97	69	1,290	18 69	10,591
1931	176	115	4,240	313	7 37	51	497	9 74	4,737
1932	113	69	2,695	293	7 70	31	271	8 73	2,966
1933 ²	118	96	5,671	391	11 8	43	534	12 41	6,205
Arkansas:									
1911-1915	2,086	927	47,700	212	10 37	412	8,399	20 77	56,099
1916-1920	2,510	1,039	122,780	198	24 53	462	23,586	52 74	146,366
1921-1925	2,741	1,025	108,138	176	22 07	455	14,279	32 93	122,417
1926-1930	3,279	1,221	92,458	178	15 13	542	15,422	28 06	107,880
1928	3,313	1,246	112,836	180	18 12	554	20,027	36 15	132,913
1929	3,451	1,435	120,727	199	16 83	638	19,370	30 36	140,097
1930	3,514	874	59,521	119	9 04	388	6,226	21 20	47,717
1931	3,308	1,907	52,626	276	5 52	848	6,869	8 10	59,495
1932	3,366	1,317	42,870	187	6 51	585	5,990	10 24	48,860
1933 ²	2,583	1,041	51,543	193	9 9	463	6,338	13 69	57,881
California									
1911-1915	20	15	760	375	10 80	6	127	-----	887
1916-1920	90	48	6,124	264	26 47	21	1,042	-----	7,166
1921-1925	101	60	6,914	263	23 22	27	915	34 08	7,829
1926-1930	217	183	13,873	395	15 90	81	2,126	27 06	15,990
1928	218	172	16,302	378	18 93	76	2,345	30 86	18,647
1929	309	259	22,288	400	17 24	115	3,091	26 88	25,379
1930	270	264	12,648	468	9 59	117	2,545	21 75	15,193
1931	192	177	5,429	440	6 15	79	1,011	12 80	6,440
1932	123	126	4,586	503	7 09	58	630	10 86	5,216
1933 ²	208	217	11,287	500	10 4	97	1,215	12 53	12,502
Florida:									
1911-1915	251	67	4,600	128	13 93	30	583	20 13	5,183
1916-1920	175	31	5,249	85	32 96	14	763	55 05	6,012
1921-1925	107	24	2,669	108	22 09	10	342	34 43	2,911
1926-1930	116	33	2,304	132	15 36	15	392	28 15	2,696
1928	111	22	1,901	93	17 60	10	327	32 67	2,228
1929	122	33	2,796	129	17 01	15	423	28 20	3,219
1930	147	56	2,720	183	9 68	25	553	22 11	3,273
1931	139	48	1,322	165	5 49	21	231	10 98	1,553
1932	102	17	525	78	6 30	7	83	11 86	608
1933 ²	94	28	1,277	141	9 2	12	173	14 43	1,450

¹ Weighted average price for the crop marketing season² See note 7, table 591, p 602² Preliminary

COTTON CROP

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No. 593.—COTTON AND COTTONSEED: AREA, PRODUCTION, AND FARM VALUE, BY STATES—Continued

Yearly average or year	Cotton					Cottonseed			Total farm value
	Acres	Bales (500 pounds gross)	Farm value	Yield per acre	Farm Price per pound ¹	Quantity	Farm value	Farm price per ton ¹	
	Thousands	Thousands	1,000 dollars	Pounds	Cents	1,000 short tons	1,000 dollars	Dollars	
Georgia									
1911-1915.....	4,825	2,298	118,851	227	10 57	1,020	22,688	22 97	141,539
1916-1920.....	4,725	1,780	231,226	180	25 62	790	47,472	58.53	278,698
1921-1925.....	2,991	851	95,152	136	22 87	378	14,002	37 92	109,154
1926-1930.....	3,346	1,312	97,402	187	15 43	582	16,706	29 78	114,108
1928.....	3,277	1,029	93,787	150	18 22	456	16,895	37 05	110,682
1929.....	3,378	1,343	111,708	190	16 64	596	16,557	27.78	128,265
1930.....	3,428	1,593	76,044	222	9 55	707	15,391	21.77	91,435
1931.....	3,096	1,393	40,596	215	5 83	618	6,749	10 92	47,345
1932.....	2,651	854	29,817	154	6.98	379	4,825	12.73	34,642
1933 ²	2,147	1,105	53,569	246	9.7	490	7,575	17.50	62,144
Louisiana									
1911-1915.....	1,023	399	20,570	187	10 36	177	3,547	20 45	24,117
1916-1920.....	1,273	471	58,263	177	24.87	209	11,472	53.46	69,735
1921-1925.....	1,290	479	50,747	170	21.47	212	6,703	32 02	57,450
1926-1930.....	1,795	718	53,521	191	15 19	319	8,594	27 44	62,115
1928.....	1,836	691	61,392	180	17 77	307	9,968	32 47	71,360
1929.....	1,934	809	66,526	200	16.45	359	10,766	29.99	77,292
1930.....	1,953	715	33,333	175	9 33	317	6,606	20 84	39,939
1931.....	1,825	900	25,063	236	5 57	400	3,244	8 11	28,307
1932.....	1,688	611	20,574	173	6 74	271	2,732	10 08	23,306
1933 ²	1,295	477	23,117	176	9 7	212	2,809	13 25	25,926
Mississippi									
1911-1915.....	2,946	1,152	60,859	187	10 63	512	11,212	22 38	72,071
1916-1920.....	2,858	960	123,065	161	25 15	426	23,657	54 50	146,722
1921-1925.....	3,016	1,099	123,276	170	23 20	488	16,464	35 22	139,740
1926-1930.....	3,822	1,619	127,361	203	15 87	719	22,018	30 92	149,374
1928.....	3,875	1,475	135,025	182	18 31	655	24,857	37 95	159,882
1929.....	4,037	1,915	163,290	227	17 05	851	27,717	32 57	191,007
1930.....	4,142	1,464	71,605	169	9 78	650	14,534	22 36	86,139
1931.....	3,994	1,761	54,245	211	6 16	783	7,658	9.78	61,903
1932.....	3,839	1,180	40,230	147	6 82	524	6,388	12 19	46,618
1933 ²	2,859	1,159	57,962	194	10.0	515	8,188	15.90	66,150
Missouri									
1911-1915.....	111	70	3,348	298	9 83	31	721	23 95	4,069
1916-1920.....	122	66	7 537	259	23 43	29	1,554	54 84	9,091
1921-1925.....	316	168	16,353	274	20 45	74	2,763	38 16	19,116
1926-1930.....	361	170	11,933	224	14 51	76	2,049	27 81	13,982
1928.....	339	147	12,979	207	17 67	65	2,015	31 00	14,994
1929.....	347	220	18,155	303	16 51	98	3,085	31 48	21,240
1930.....	374	151	6,551	193	8 68	67	1,378	20 57	7,929
1931.....	353	289	9,979	392	4 83	128	1,208	9 44	8,187
1932.....	418	316	9,316	362	5 89	141	1,373	9 74	10,689
1933 ²	356	253	11,513	340	9.1	112	1,297	11.58	12,810
New Mexico:									
1924-1925.....	108	62	6,142	273	21 60	27	502	32 99	6,644
1926-1930.....	120	84	6,622	339	15 88	37	967	25 92	7,589
1928.....	122	88	8,333	345	18 93	39	1,255	32 19	9,588
1929.....	133	90	7,860	325	17 38	40	1,072	26 79	8,932
1930.....	128	100	5,068	375	10 09	45	898	19 96	5,966
1931.....	117	101	2,904	412	5 76	45	410	9 12	3,314
1932.....	112	72	2,368	307	6 59	32	274	8 57	2,642
1933 ²	96	94	4,604	468	9 8	42	478	11.39	5,082
North Carolina:									
1911-1915.....	1,364	872	45,212	304	10 53	386	9,219	24 69	54,431
1916-1920.....	1,425	783	96,408	263	24 63	347	19,889	58 37	116,297
1921-1925.....	1,541	911	103,415	284	22 52	404	15,469	38 20	118,884
1926-1930.....	1,614	882	67,444	260	15 44	392	11,785	30 42	79,229
1928.....	1,620	832	76,925	245	18 49	369	14,310	38 78	91,235
1929.....	1,635	743	61,806	217	16 63	329	9,446	28 71	71,252
1930.....	1,448	771	36,807	254	9 55	342	7,500	21 93	44,307
1931.....	1,206	752	22,456	298	5 97	334	3,540	10 60	25,996
1932.....	1,251	660	23,509	252	7 12	293	3,539	12 08	27,048
1933 ²	1,090	684	35,909	300	10 5	304	4,925	16 20	40,834

¹ Weighted average price for the crop marketing season² Preliminary.

No. 593.—COTTON AND COTTONSEED AREA, PRODUCTION, AND FARM VALUE, BY STATES—Continued

Yearly average or year	Cotton					Cottonseed			Total farm value
	Acres	Bales (500 pounds gross)	Farm value	Yield per acre	Farm price per pound ¹	Quantity	Farm value	Farm price per ton ¹	
	Thousands	Thousands	1,000 dollars	Pounds	Cents	1,000 short tons	1,000 dollars	Dollars	1,000 dollars
Oklahoma:									
1911-1915.....	2,721	957	46,132	170	9 96	425	7,835	19 71	53,987
1916-1920.....	2,823	942	107,206	161	23 60	419	19,417	49 64	126,623
1921-1925.....	3,481	993	106,275	129	21 55	441	13,708	31 28	119,983
1926-1930.....	4,052	1,202	88,123	141	14 81	534	14,478	28 14	102,601
1928.....	4,007	1,205	105,164	144	17 46	536	18,085	33 74	123,249
1929.....	4,114	1,143	91,927	133	16 09	508	15,692	30 89	107,619
1930.....	3,929	854	37,174	104	8 71	379	8,706	22 97	45,880
1931.....	3,376	1,261	31,906	179	5 06	561	4,881	8 70	36,787
1932.....	3,108	1,084	32,891	167	6 07	482	4,227	8 77	37,118
1933 ²	2,915	1,266	57,591	208	9 1	563	6,373	11 32	63,964
South Carolina:									
1911-1915.....	2,436	1,375	71,839	268	10 61	610	14,281	24 15	86,120
1916-1920.....	2,591	1,558	173,767	250	25 28	602	34,718	58 61	208,485
1921-1925.....	1,962	743	83,732	181	22 75	329	12,551	38 60	96,283
1926-1930.....	2,051	859	65,158	200	15 68	381	11,244	30 52	76,402
1928.....	2,051	726	66,614	169	18 35	322	12,513	38 86	79,127
1929.....	1,974	580	69,600	201	16 77	368	10,138	27 55	79,738
1930.....	1,951	1,001	48,293	245	9 65	444	9,497	21 39	57,790
1931.....	1,759	1,005	30,383	273	6 05	446	4,741	10 63	35,124
1932.....	1,661	716	25,820	206	7 21	318	3,940	12 39	29,760
1933 ²	1,379	735	37,857	255	10 3	326	5,832	17 89	43,689
Tennessee:									
1911-1915.....	776	359	18,487	220	10 49	159	3,654	23 55	22,141
1916-1920.....	808	318	37,488	188	24 12	141	7,606	54 60	45,094
1921-1925.....	927	358	37,890	188	21 95	159	5,546	36 26	43,436
1926-1930.....	1,042	426	32,054	196	15 02	189	5,511	29 23	37,565
1928.....	1,040	428	38,331	197	17 90	190	7,127	37 51	45,458
1929.....	1,045	515	43,128	236	16 74	229	6,991	30 53	50,119
1930.....	1,126	377	17,018	160	9 04	167	3,490	20 90	20,508
1931.....	1,053	594	15,838	270	5 33	264	2,310	8 75	18,148
1932.....	1,062	479	14,695	216	6 14	213	2,180	10 14	16,855
1933 ²	884	443	21,281	240	9 6	197	2,780	14 11	24,061
Texas:									
1911-1915.....	11,458	4,180	213,939	175	10 32	1,859	34,699	19 27	248,638
1916-1920.....	11,526	3,398	404,395	141	24 76	1,512	71,731	50 04	476,126
1921-1925.....	14,325	3,774	426,323	125	21 95	1,679	55,693	32 56	481,016
1926-1930.....	16,668	4,612	354,493	132	15 39	2,054	58,025	28 51	412,518
1928.....	16,887	5,105	450,300	145	17 64	2,274	75,952	33 40	526,252
1929.....	16,875	3,940	332,701	112	16 89	1,755	55,634	31 70	388,335
1930.....	16,138	4,037	193,984	120	9 61	1,798	40,797	22 69	234,781
1931.....	14,754	5,319	148,155	173	5 57	2,370	22,396	9 45	170,551
1932.....	13,334	4,500	140,169	162	6 23	2,006	18,174	9 06	158,343
1933 ²	11,488	4,428	208,114	185	9 4	1,973	26,951	13 66	235,065
Virginia:									
1911-1915.....	43	24	1,310	272	10 84	11	298	28 40	1,608
1916-1920.....	45	25	3,028	262	24 74	11	618	57 34	3,646
1921-1925.....	76	41	4,816	259	22 60	18	729	39 30	5,545
1926-1930.....	83	47	3,469	269	15 08	21	661	32 30	4,130
1928.....	48	46	4,325	297	17 98	21	861	41 00	5,186
1929.....	88	51	4,287	280	16 67	23	691	30 06	4,978
1930.....	90	46	2,199	243	9 59	20	444	22 21	2,643
1931.....	70	46	1,268	317	5 59	21	216	10 28	1,514
1932.....	70	34	1,087	233	6 42	15	164	10 91	1,261
1933 ²	65	37	1,832	275	9 8	17	272	16 02	2,104
Other States:									
1926-1930.....	25	9	670	180	14 90	4	114	-----	784
1928.....	22	7	627	152	17 87	3	113	36 45	740
1929.....	19	9	754	227	16 68	4	123	30 75	877
1930.....	19	7	308	173	8 97	3	65	20 97	373
1931.....	16	12	322	363	5 30	5	50	9 26	372
1932.....	20	16	486	394	6 07	7	72	10 24	558
1933 ²	23	15	715	311	9 5	7	92	12 99	807

¹ Weighted average price for the crop marketing season² Preliminary

Source. Bureau of Agricultural Economics, Department of Agriculture.

No. 594 — CORN: ACREAGE, PRODUCTION, AND FARM VALUE, BY STATES

NOTE — Weight of a bushel of corn, 56 pounds. This table covers corn for all purposes, including hogg and siloed corn and that cut and fed without removing the ears, as well as that husked and shelled for grain.

Division and State	Acreage			Production			Yield per acre			Farm value ²		Price received by producers, 1933 ³
	1931	1932	1933 ¹	1931	1932	1933 ¹	1931	1932	1933	1932	1933 ¹	
	1,000 acres	1,000 acres	1,000 acres	1,000 bushels	1,000 bushels	1,000 bushels	BuS	BuS	BuS	1,000 dolls	1,000 dolls	Cts per bu
United States...	105,948	108,668	102,239	2,588,509	2,906,873	2,330,237	24.4	26.8	22.8	925,277	945,963	41
New England...	187	195	196	8,207	7,979	7,814	43.9	40.9	39.9	4,872	5,410	69
Maine.....	14	16	17	588	656	687	42.0	41.0	41.0	361	432	62
N Hampshire.....	13	14	15	508	560	600	46.0	40.0	40.0	319	432	72
Vermont.....	64	64	63	2,944	2,624	2,520	41.0	40.0	40.0	1,443	1,411	56
Massachusetts.....	37	38	38	1,591	1,520	1,520	43.0	40.0	40.0	897	1,216	80
Rhode Island.....	8	9	10	344	351	410	43.0	39.0	41.0	200	369	90
Connecticut.....	51	54	53	2,142	2,268	2,067	42.0	42.0	39.0	1,452	1,550	75
Middle Atlantic...	2,004	2,003	2,013	91,810	73,770	74,118	45.8	36.8	36.8	38,482	40,846	55
New York.....	566	583	568	22,074	20,405	17,546	39.0	35.0	31.0	10,611	10,177	58
New Jersey.....	170	165	167	6,970	6,930	6,012	41.0	42.0	36.0	3,118	3,367	56
Pennsylvania.....	1,268	1,255	1,280	62,766	46,435	50,560	49.5	37.0	39.5	22,753	27,302	54
E. N. Central...	21,341	21,016	19,549	797,858	825,252	583,643	37.4	39.3	29.9	240,480	230,017	38
Ohio.....	3,576	3,433	3,364	160,920	121,872	112,694	45.0	35.5	33.5	38,999	42,824	38
Indiana.....	4,734	4,639	4,268	184,626	173,962	125,906	39.0	37.5	29.5	45,230	44,067	35
Illinois.....	9,544	9,353	8,324	353,128	402,179	224,748	37.0	43.0	27.0	108,588	80,909	36
Michigan.....	1,407	1,407	1,365	40,944	46,431	42,316	29.1	33.0	31.0	18,572	19,465	40
Wisconsin.....	2,080	2,184	2,228	58,240	80,808	77,980	28.0	37.0	35.0	20,091	32,752	42
W. N. Central...	45,742	47,708	44,132	1,011,928	1,393,502	1,099,933	23.1	29.2	24.9	391,857	362,382	33
Minnesota.....	4,896	4,945	4,846	115,056	180,492	142,957	23.5	36.5	29.5	50,538	45,746	32
Iowa.....	11,732	11,849	11,138	385,983	509,507	439,951	32.9	43.0	39.5	152,852	136,385	31
Missouri.....	6,472	6,472	6,019	177,980	197,306	141,446	27.5	30.5	23.5	53,297	56,578	40
N Dakota.....	1,190	1,404	1,334	22,015	26,676	20,010	18.5	19.0	15.0	7,203	7,004	35
S Dakota.....	4,837	5,030	3,370	25,152	73,941	40,440	5.2	14.7	12.0	18,485	14,164	36
Nebraska.....	10,042	10,644	10,431	170,714	269,293	234,698	17.0	25.3	22.5	72,709	72,769	31
Kansas.....	6,573	7,362	6,994	115,028	136,197	80,431	17.5	18.5	11.5	36,773	29,759	37
South Atlantic...	10,963	11,158	11,118	194,985	155,896	180,177	17.8	14.0	16.2	78,597	112,040	62
Delaware.....	146	147	145	4,745	4,263	3,625	32.5	29.0	25.0	1,918	1,776	49
Maryland.....	545	548	560	20,710	16,440	14,000	38.0	30.0	25.0	7,234	7,140	51
Virginia.....	1,527	1,496	1,571	43,081	26,028	36,918	28.2	18.0	23.5	14,003	21,782	59
West Virginia.....	446	446	464	12,934	11,150	13,020	29.0	25.0	30.0	5,680	7,934	57
N Carolina.....	2,345	2,322	2,392	48,072	31,830	44,252	20.5	15.0	18.5	18,608	29,649	70
S Carolina.....	1,608	1,650	1,573	22,994	17,835	22,808	14.3	10.8	14.5	10,910	15,960	67
Georgia.....	3,672	3,856	3,740	36,720	38,580	39,270	10.0	10.0	10.5	17,352	24,347	62
Florida.....	674	687	673	5,729	5,840	5,384	8.6	8.5	8.0	2,686	3,446	64
E. S. Central...	11,198	11,376	10,958	241,743	196,647	207,038	21.6	17.3	18.9	91,780	113,705	55
Kentucky.....	2,928	2,811	2,727	83,448	67,464	68,175	28.5	24.0	25.0	26,311	32,724	48
Tennessee.....	2,927	2,927	2,810	73,175	59,418	66,035	25.0	20.3	23.5	26,738	34,338	52
Alabama.....	3,042	3,224	3,031	42,588	37,076	36,978	14.0	11.5	12.2	21,133	24,775	67
Mississippi.....	2,269	2,414	2,390	42,532	32,589	35,850	18.5	13.5	15.0	17,598	21,868	61
W. S. Central...	11,798	12,249	11,271	207,995	222,286	137,589	17.6	18.1	12.2	69,865	73,572	53
Arkansas.....	1,954	1,993	2,053	43,965	35,874	27,719	22.5	18.0	13.5	13,273	16,075	58
Louisiana.....	1,287	1,261	1,198	20,592	17,906	15,474	16.0	14.2	13.0	8,595	8,877	57
Oklahoma.....	3,321	3,288	2,598	51,808	65,760	19,856	15.6	20.0	7.5	15,125	8,963	46
Texas.....	5,236	5,707	5,422	91,630	102,726	74,824	17.5	18.0	13.8	32,872	39,657	53
Mountain...	2,528	2,767	2,790	28,040	25,675	33,143	11.1	9.8	11.8	8,468	14,025	42
Montana.....	123	215	215	1,722	2,580	2,472	14.0	12.0	11.5	1,032	1,310	53
Idaho.....	42	55	50	1,512	2,255	1,950	36.0	41.0	39.0	812	1,053	54
Wyoming.....	190	228	219	1,900	2,052	2,080	10.0	9.0	9.5	616	770	37
Colorado.....	1,836	1,909	2,004	17,442	14,318	22,044	9.5	7.5	11.0	4,009	8,156	37
New Mexico.....	283	297	238	4,528	3,267	3,332	16.0	11.0	14.0	1,209	1,866	56
Arizona.....	36	41	41	576	615	738	16.0	15.0	13.0	424	509	69
Utah.....	18	20	21	320	540	483	20.0	27.0	23.0	329	328	68
Nevada.....	2	2	2	40	48	44	20.0	24.0	22.0	32	33	75
Pacific...	189	198	212	5,963	5,986	6,772	31.6	30.2	31.9	3,081	3,966	59
Washington.....	37	38	41	1,369	1,311	1,558	37.0	34.5	38.0	590	826	53
Oregon.....	62	65	71	1,984	2,015	2,414	32.0	31.0	34.0	1,108	1,376	57
California.....	90	95	100	2,610	2,660	2,800	29.0	28.0	28.0	1,383	1,764	63

¹ Preliminary² Basis weighted average price for the crop-marketing season³ Weighted average price per bushel for the crop-marketing season

Source: Bureau of Agricultural Economics, Department of Agriculture

No. 595.—WHEAT: ACREAGE, PRODUCTION, AND FARM VALUE, BY STATES

NOTE.—Weight of a bushel of wheat, 60 pounds

Division and State	Acreage			Production			Yield per acre			Farm value ²		Price received by producers, 1933 ³
	1931	1932	1933 ¹	1931	1932	1933 ¹	1931	1932	1933	1932	1933 ¹	
	1,000 acres 57, 103	1,000 acres 57, 204	1,000 acres 47, 493	1,000 bus 932, 221	1,000 bus 744, 078	1,000 bus 527, 413	Bus 16 3	Bus 13. 0	Bus 11. 1	1,000 dollars 282, 253	1,000 dollars 385, 365	
United States...												Cts per bu 73
New England.....	3	3	5	65	68	120	21. 7	22 0	24 0	50	155	129
Maine.....	2	3	5	44	66	120	22 0	22 0	24 0	50	155	129
Vermont.....	1			21			21 0					
Middle Atlantic.....	1, 169	1, 147	1, 158	26, 621	18, 559	21, 285	22. 8	16 2	18 4	10, 640	18, 252	86
New York.....	211	201	233	5, 311	4, 086	4, 512	25 2	20 3	19 4	2, 370	3, 925	87
New Jersey.....	49	48	45	1, 323	1, 008	990	27 0	21 0	22 0	598	911	92
Pennsylvania.....	909	898	878	19, 987	13, 465	15, 783	22 0	15 0	18 0	7, 675	13, 416	85
East South Central.....	6, 263	5, 517	6, 027	162, 238	99, 816	99, 787	25. 9	18. 1	16. 6	44, 516	82, 148	82
Ohio.....	1, 723	1, 585	1, 833	50, 744	32, 456	34, 812	29 5	20 5	19 0	15, 254	29, 242	84
Indiana.....	1, 725	1, 468	1, 551	44, 544	23, 502	22, 484	25 8	16 0	14 5	10, 106	18, 887	84
Illinois.....	2, 016	1, 652	1, 721	46, 980	24, 978	27, 418	23 3	15 1	15 9	10, 491	22, 483	82
Michigan.....	711	702	818	18, 426	16, 771	13, 457	25 9	23 9	16 5	7, 547	10, 227	76
Wisconsin.....	88	110	104	1, 544	2, 109	1, 616	17 5	19. 2	15 5	1, 118	1, 309	81
West North Central.....	29, 311	30, 378	23, 228	423, 014	352, 922	194, 679	14. 4	11. 6	8. 4	124, 919	139, 662	72
Minnesota.....	1, 224	1, 462	1, 629	18, 011	20, 839	16, 665	14 7	14. 3	10 2	9, 169	11, 999	72
Iowa.....	357	273	255	7, 321	4, 350	4, 159	20 5	15 9	16 3	1, 653	3, 119	75
Missouri.....	1, 596	1, 404	1, 331	31, 913	15, 733	16, 639	20 0	11 2	12 5	6, 451	13, 311	80
North Dakota.....	6, 295	10, 639	9, 554	40, 216	110, 396	65, 386	6 4	10 4	6 8	39, 743	43, 809	67
South Dakota.....	2, 796	3, 958	1, 248	16, 718	53, 468	5, 120	6 0	13 5	4 1	18, 179	3, 277	64
Nebraska.....	3, 420	2, 277	2, 437	56, 943	27, 958	29, 206	16 6	12. 3	12 0	10, 065	20, 444	70
Kansas.....	13, 623	10, 365	6, 774	251, 892	120, 178	57, 004	18 5	11 6	8 5	39, 659	43, 703	76
South Atlantic.....	1, 652	1, 684	1, 678	33, 206	18, 412	21, 463	20. 1	10. 9	12. 8	10, 966	20, 120	94
Delaware.....	91	79	77	2, 138	908	1, 078	23 5	11 5	14 0	518	992	92
Maryland.....	404	380	395	9, 696	4, 940	6, 320	24 0	13 0	16 0	2, 618	5, 688	90
Virginia.....	603	579	550	13, 266	6, 253	7, 425	22 0	10. 8	13. 5	3, 627	6, 831	92
West Virginia.....	113	116	124	2, 373	1, 276	1, 798	21 0	11. 0	14. 5	766	1, 600	89
North Carolina.....	339	376	391	4, 407	3, 572	3, 714	13 0	9 5	9 5	2, 465	3, 825	103
South Carolina.....	53	80	74	689	760	592	13 0	9 5	8 0	494	616	104
Georgia.....	49	74	67	637	703	536	13 0	9. 5	8 0	478	568	106
East South Central.....	508	548	546	10, 004	5, 479	6, 048	19. 7	10. 0	11. 1	2, 946	5, 704	94
Kentucky.....	252	270	270	5, 544	2, 835	3, 240	22 0	10. 5	12 0	1, 361	2, 981	92
Tennessee.....	252	272	272	4, 410	2, 584	2, 774	17 5	9 5	10 2	1, 550	2, 691	97
Alabama.....	4	6	4	50	60	34	12 5	10 0	8 5	35	32	95
West South Central.....	8, 829	7, 327	5, 093	143, 491	72, 167	46, 333	16 3	9 8	9. 1	23, 123	35, 826	77
Arkansas.....	36	31	27	475	248	216	13 2	8 0	8 0	109	186	86
Oklahoma.....	4, 407	3, 966	3, 093	74, 919	43, 626	33, 095	17 0	11. 0	10 7	13, 960	25, 483	77
Texas.....	4, 386	3, 330	1, 973	68, 097	28, 293	13, 022	15 5	8 5	6 6	9, 054	10, 157	78
Mountain.....	5, 557	6, 811	6, 072	65, 760	105, 121	61, 839	11 8	15. 4	10 2	35, 639	35, 914	58
Montana.....	2, 182	4, 070	3, 653	14, 478	55, 610	27, 194	6 6	13. 7	7 4	18, 907	15, 501	57
Idaho.....	981	1, 192	1, 075	17, 577	30, 656	19, 365	17 9	25. 7	18 0	9, 503	10, 457	54
Wyoming.....	240	277	234	2, 192	3, 102	2, 138	9 1	11 2	9 1	962	1, 197	56
Colorado.....	1, 386	680	545	16, 632	7, 135	5, 912	12 0	10 5	10 8	2, 640	3, 725	63
New Mexico.....	473	276	245	9, 599	2, 027	1, 485	20 3	7 3	6 1	730	1, 054	71
Arizona.....	24	38	46	672	798	1, 288	28 0	21 0	28 0	439	1, 030	80
Utah.....	257	260	254	4, 291	5, 332	4, 079	16 7	20. 5	16. 1	2, 186	2, 651	65
Nevada.....	14	18	17	319	461	378	22 8	25. 6	22 2	272	299	79
Pacific.....	3, 811	3, 799	3, 693	67, 822	71, 534	75, 859	17. 8	18. 9	20. 6	29, 454	47, 584	63
Washington.....	2, 348	2, 203	2, 136	42, 587	40, 348	46, 249	18 1	18 3	21 7	15, 332	27, 287	59
Oregon.....	945	991	897	17, 662	20, 060	17, 492	18 7	20. 2	19 5	8, 225	10, 845	62
California.....	518	595	655	7, 563	11, 126	12, 118	14 6	18 7	18 5	5, 897	9, 452	78

¹ Preliminary² Basis weighted average price for the crop-marketing season³ Weighted average price for the crop-marketing season

Source Bureau of Agricultural Economics, Department of Agriculture.

No. 596.—OATS: ACREAGE, PRODUCTION, AND FARM VALUE, BY STATES

NOTE—Weight of a bushel of oats, 32 pounds

Division and State	Acreage			Production			Yield per acre			Farm value ¹		Price received by producers, 1933 ²
	1931	1932	1933 ¹	1931	1932	1933 ¹	1931	1932	1933	1932	1933 ¹	
	1,000 acres	1,000 acres	1,000 acres	1,000 bushels	1,000 bushels	1,000 bushels	Bush	Bush	Bush	1,000 dollars	1,000 dollars	
United States.....	40,084	41,425	38,541	1,126,913	1,246,658	722,485	28 1	30 1	19 8	195,290	229,695	32
New England.....	199	216	211	6,372	7,810	7,468	32 0	36 2	35 4	2,618	3,213	43
Maine.....	118	130	130	3,776	4,940	5,200	32 0	38 0	40 0	1,630	2,080	40
New Hampshire.....	6	8	6	228	312	228	38 0	39 0	38 0	115	123	54
Vermont.....	61	62	59	1,952	2,046	1,593	32 0	33 0	27 0	675	765	48
Massachusetts.....	4	5	5	132	165	150	33 0	33 0	30 0	61	84	56
Rhode Island.....	2	2	2	62	68	72	31 0	34 0	36 0	26	39	54
Connecticut.....	8	9	9	232	279	225	29 0	31 0	25 0	109	122	54
Middle Atlantic.....	1,860	1,849	1,798	54,072	51,891	38,783	29 1	28 1	21 7	15,059	16,856	43
New York.....	863	863	820	24,596	26,753	16,810	28 5	31 0	20 5	7,758	7,396	44
New Jersey.....	43	41	43	1,333	1,066	1,101	31 0	26 0	27 0	320	511	44
Pennsylvania.....	954	944	925	28,143	24,072	20,812	29 5	25 5	22 5	6,981	8,949	43
East North Central.....	11,849	11,863	10,541	385,617	395,456	220,346	32 5	33 3	20 9	62,995	70,241	32
Ohio.....	1,657	1,591	1,273	62,138	45,344	26,096	37 5	28 5	20 5	8,162	8,873	34
Indiana.....	1,946	1,965	1,651	60,715	58,950	28,067	31 2	30 0	17 0	8,253	8,420	30
Illinois.....	4,352	4,439	4,039	150,144	166,462	78,760	34 5	37 5	19 5	21,640	23,628	30
Michigan.....	1,435	1,335	1,121	43,768	36,045	23,541	30 5	27 0	21 0	7,209	8,239	35
Wisconsin.....	2,459	2,533	2,457	68,852	88,655	63,882	28 0	35 0	26 0	17,731	21,081	33
West North Central.....	19,789	21,101	18,520	498,416	647,245	340,366	25 2	30 7	18 4	83,159	93,672	28
Minnesota.....	4,575	4,575	4,454	123,525	164,700	96,406	27 0	36 0	21 5	21,411	26,030	27
Iowa.....	6,120	6,181	6,119	189,720	219,426	134,618	31 0	35 5	22 0	28,525	36,347	27
Missouri.....	1,979	1,939	1,764	53,433	36,841	32,634	27 0	19 0	18 5	6,631	10,443	32
North Dakota.....	1,498	2,004	1,703	18,276	42,084	22,139	12 2	21 0	13 0	3,872	5,313	24
South Dakota.....	1,745	2,321	696	20,068	75,432	5,220	11 5	32 5	7 5	7,543	1,409	27
Nebraska.....	2,311	2,473	2,226	49,686	74,190	23,373	21 5	30 0	10 5	9,645	6,077	26
Kansas.....	1,561	1,608	1,528	43,708	34,572	25,676	28 0	21 5	17 0	5,532	8,053	81
South Atlantic.....	1,323	1,344	1,222	32,616	27,215	23,485	24 7	20 2	18 2	9,337	13,061	56
Delaware.....	3	4	3	3,105	1,104	87	35 0	26 0	29 0	43	42	48
Maryland.....	67	57	50	2,010	1,425	1,100	30 0	25 0	22 0	428	451	41
Virginia.....	189	166	168	4,838	3,237	3,360	25 6	19 5	20 0	1,003	1,478	44
West Virginia.....	148	138	124	3,552	3,036	2,356	24 0	22 0	19 0	972	1,037	44
North Carolina.....	197	205	205	4,531	4,366	3,977	23 0	21 3	19 4	1,572	2,187	55
South Carolina.....	378	389	370	9,450	7,974	7,215	25 0	20 5	19 5	2,711	4,473	62
Georgia.....	332	378	295	7,968	6,993	5,310	24 0	18 5	18 0	2,587	3,345	63
Florida.....	9	7	7	162	80	80	18 0	11 5	11 5	31	48	60
East South Central.....	573	417	321	12,555	8,256	5,138	21 9	15 0	16 0	1,839	2,422	47
Kentucky.....	232	162	122	5,104	2,349	1,952	22 0	14 5	16 0	611	829	42
Tennessee.....	138	124	109	2,760	1,910	1,744	20 0	15 0	16 0	554	785	45
Alabama.....	153	99	69	3,366	1,485	1,104	22 0	15 0	16 0	505	629	57
Mississippi.....	50	32	21	1,325	512	336	26 5	16 0	16 0	169	188	56
West South Central.....	3,494	3,217	2,489	107,008	67,884	44,195	31 2	21 1	17 9	9,712	16,240	37
Arkansas.....	160	114	103	4,160	1,596	1,648	26 0	14 0	16 0	383	692	42
Louisiana.....	26	20	16	754	300	261	29 0	15 0	16 3	90	117	45
Oklahoma.....	1,516	1,334	1,161	43,206	24,012	21,478	28 5	18 0	18 5	3,362	7,732	36
Texas.....	1,732	1,749	1,189	58,888	41,976	20,808	34 0	24 0	17 5	5,877	7,699	37
Mountain.....	609	956	942	14,096	25,986	21,285	23 1	27 2	22 6	5,934	6,560	31
Montana.....	183	403	383	3,202	10,075	6,511	17 5	25 0	17 0	2,216	2,018	31
Idaho.....	106	148	142	2,862	5,476	4,544	27 0	37 0	32 0	1,095	1,318	29
Wyoming.....	83	154	151	1,784	3,465	3,246	21 5	22 5	21 5	866	1,039	32
Colorado.....	142	141	162	3,408	3,736	4,131	24 0	25 5	25 5	822	1,157	28
New Mexico.....	12	13	13	360	920	836	30 0	23 0	22 0	221	359	43
Arizona.....	43	54	50	1,290	1,836	1,550	30 0	34 0	31 0	551	465	30
Utah.....	12	3	3	50	114	90	25 0	38 0	30 0	39	34	38
Nevada.....	2	3	3	50	114	90	25 0	38 0	30 0	39	34	38
Pacific.....	448	463	527	16,151	18,915	21,421	36 1	36 5	40 6	4,639	7,430	35
Washington.....	158	166	179	7,742	8,300	9,487	49 0	50 0	53 0	2,158	3,226	34
Oregon.....	223	223	259	7,136	6,802	9,842	32 0	30 5	38 0	1,973	3,346	34
California.....	67	74	89	1,273	1,813	2,092	19 0	24 5	23 5	508	858	41

¹ Preliminary² Basis weighted average price for the crop-marketing season.³ Weighted average price for the crop-marketing season.

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 597.—BARLEY AND RICE: ACREAGE, PRODUCTION, AND FARM VALUE, BY STATES

NOTE.—Weight of a bushel of barley, 48 pounds; rice (rough), 45 pounds

BARLEY

Division and State	Acreage			Production			Yield per acre			Farm value ²		Price received by producers, 1933 ³
	1931	1932	1933 ¹	1931	1932	1933 ¹	1931	1932	1933	1932	1933 ¹	
United States....	1,000 acres 11,424	1,000 acres 13,346	1,000 acres 10,052	1,000 bus 198,543	1,000 bus 302,042	1,000 bus 156,104	Bus 17.4	Bus 22.8	Bus 15.5	1,000 dolls 66,394	1,000 dolls 66,103	Cts per bu 42
New England.....	8	9	9	237	260	251	29.6	28.9	27.9	134	187	67
Maine.....	3	4	5	87	120	155	29.0	30.0	31.0	65	102	66
Vermont.....	5	5	4	150	140	96	30.0	28.0	24.0	69	65	68
Middle Atlantic.....	234	221	247	5,947	5,676	5,353	25.4	25.7	21.7	2,227	2,952	55
New York.....	173	151	165	4,325	3,926	3,300	25.0	26.0	20.0	1,492	1,782	54
New Jersey.....	1	1	1	32	25	28	32.0	25.0	28.0	11	16	56
Pennsylvania.....	60	69	81	1,590	1,725	2,025	26.5	25.0	25.0	724	1,154	57
East North Central.....	1,447	1,607	1,444	38,585	43,274	26,665	26.7	28.9	18.5	13,946	13,502	51
Ohio.....	96	90	44	2,640	1,890	660	27.5	21.0	15.0	472	297	45
Indiana.....	45	40	26	1,098	800	260	24.4	20.0	10.0	200	122	47
Illinois.....	297	371	319	8,613	10,574	4,785	29.0	28.5	15.0	2,961	2,249	47
Michigan.....	278	317	250	7,228	6,340	3,250	26.0	20.0	13.0	2,029	1,625	50
Wisconsin.....	731	789	805	19,006	23,670	17,710	26.0	30.0	22.0	8,284	9,209	52
West North Central.....	7,443	8,642	5,924	109,206	178,893	70,796	14.7	20.7	12.0	31,650	26,859	38
Minnesota.....	1,874	1,908	1,850	37,480	47,232	28,675	20.0	24.0	15.5	10,391	12,330	43
Iowa.....	521	604	532	13,546	15,100	8,512	26.0	25.0	16.0	3,473	3,575	42
Missouri.....	20	19	12	480	323	204	24.0	17.0	17.0	94	116	57
North Dakota.....	1,812	2,376	1,830	18,482	40,392	18,300	10.2	17.0	10.0	5,655	6,039	33
South Dakota.....	1,833	2,053	493	16,680	47,630	3,451	9.1	23.2	7.0	7,621	1,242	36
Nebraska.....	820	918	799	13,530	18,360	8,990	16.5	20.0	10.5	2,938	2,349	28
Kansas.....	563	704	408	9,008	9,856	3,264	16.0	14.0	8.0	1,478	1,208	37
South Atlantic.....	62	74	78	1,732	1,773	1,795	27.9	24.0	23.0	714	1,076	60
Maryland.....	16	21	23	528	609	598	33.0	29.0	26.0	225	293	49
Virginia.....	20	30	34	670	765	833	33.5	25.5	24.5	298	516	62
West Virginia.....	2	4	4	54	114	92	27.0	28.5	23.0	46	52	56
North Carolina.....	24	19	17	480	285	272	20.0	15.0	16.0	145	215	79
East South Central.....	29	30	33	742	524	654	25.6	17.5	19.8	225	409	63
Kentucky.....	12	10	12	360	200	276	30.0	20.0	23.0	76	160	58
Tennessee.....	17	20	21	382	324	378	22.5	16.2	18.0	149	249	66
West South Central.....	327	348	252	7,420	5,295	2,440	22.7	15.2	9.7	1,006	1,190	46
Oklahoma.....	106	138	80	2,226	1,725	720	21.0	12.5	9.0	328	346	48
Texas.....	221	210	172	5,194	3,570	1,720	23.5	17.0	10.0	678	774	45
Mountain.....	921	1,009	944	16,908	22,490	17,755	18.4	22.3	18.8	5,524	6,066	34
Montana.....	139	195	205	2,085	3,000	2,768	15.0	20.0	13.5	1,014	1,024	37
Idaho.....	148	163	143	3,848	5,868	4,147	26.0	36.0	29.0	1,408	1,451	35
Wyoming.....	98	127	91	1,715	2,540	1,729	17.5	20.0	19.0	660	1,640	37
Colorado.....	472	439	430	7,316	7,244	6,880	15.5	16.5	16.0	1,449	1,995	29
New Mexico.....	11	13	13	253	221	234	23.0	17.0	18.0	53	103	44
Arizona.....	10	21	20	320	735	700	32.0	35.0	35.0	265	336	48
Utah.....	38	44	37	1,216	1,716	1,147	32.0	39.0	31.0	566	447	39
Nevada.....	5	7	5	155	266	150	31.0	38.0	30.0	109	70	47
Pacific.....	953	1,406	1,121	17,766	43,857	30,395	18.6	31.2	27.1	10,968	12,952	43
Washington.....	59	64	74	1,770	1,920	2,590	30.0	30.0	35.0	634	1,062	41
Oregon.....	74	96	113	2,220	2,688	3,334	30.0	28.0	29.5	914	1,367	41
California.....	820	1,246	934	13,776	39,249	24,471	16.8	31.5	26.2	9,420	10,523	43

RICE (ROUGH)

United States....	964	868	769	44,873	40,408	35,619	46.5	46.6	48.0	16,910	27,765	78
Arkansas.....	177	163	153	9,735	8,313	7,344	55.0	51.0	40.0	3,159	5,728	78
Louisiana.....	458	410	369	16,030	15,990	14,760	35.0	39.0	53.0	6,876	11,513	78
Texas.....	204	185	141	10,608	9,065	7,473	52.0	49.0	57.0	3,989	6,053	81
California.....	125	110	106	8,500	7,040	6,042	68.0	64.0	46.8	2,886	4,471	74

¹ Preliminary² For barley, basis weighted average price for the crop-marketing season and for rice, basis average price for the crop-marketing season for 1932 and Dec. 1 price for 1933³ For barley, weighted average price for the crop-marketing season, for rice, Dec. 1 price.

Source Bureau of Agricultural Economics, Department of Agriculture.

No. 598.—RYE AND GRAIN SORGHUMS: ACREAGE, PRODUCTION, AND FARM VALUE, BY STATES

NOTE.—Weight of a bushel of rye, 56 pounds, grain sorghums, approximately 56 pounds

RYE

State	Acreage			Production			Yield per acre			Farm value ²		Price received by producers, 1933 ⁴
	1931	1932	1933 ¹	1931	1932	1933 ¹	1931	1932	1933	1932	1933 ¹	
	1,000 acres	1,000 acres	1,000 acres	1,000 bus	1,000 bus	1,000 bus.	Bus	Bus	Bus	1,000 dolls	1,000 dolls	Cts. per bu.
United States.....	3,104	3,344	2,352	32,290	40,639	21,184	10 4	12 2	9 0	11,198	12,593	59
New York.....	20	18	16	340	279	240	17 0	15 5	15 0	126	178	74
New Jersey.....	21	22	22	357	374	352	17 0	17 0	16 0	172	208	76
Pennsylvania.....	135	124	119	2,025	1,550	1,606	15 0	12 5	13 5	698	1,076	67
Ohio.....	74	44	55	1,332	572	688	18 0	13 0	12 5	183	468	68
Indiana.....	113	89	89	1,638	1,024	890	14 5	11 5	10 0	207	578	65
Illinois.....	64	45	50	992	562	625	15 5	12 5	12 5	103	412	66
Michigan.....	158	158	125	2,133	2,133	1,312	13 5	13 5	10 5	640	718	57
Wisconsin.....	175	254	226	2,188	3,048	2,200	12 5	12 0	10 0	1,030	1,333	59
Minnesota.....	365	310	291	5,475	4,960	3,638	15 0	16 0	12 5	1,438	2,037	56
Iowa.....	41	41	35	615	594	490	15 0	14 5	14 0	154	289	59
Missouri.....	28	12	11	336	90	82	12 0	7 5	7 5	34	63	77
North Dakota.....	814	1,099	571	4,884	12,089	3,712	6 0	11 0	6 5	2,660	1,819	49
South Dakota.....	352	475	190	2,464	7,125	760	7 0	15 0	4 0	1,496	380	50
Nebraska.....	333	283	214	2,997	2,830	1,712	9 0	10 0	8 0	679	839	49
Kansas.....	25	19	16	300	209	128	12 0	11 0	8 0	52	79	62
Delaware.....	7	7	5	122	88	52	17 5	12 5	10 5	41	47	91
Maryland.....	21	19	17	378	228	221	18 0	12 0	13 0	98	175	79
Virginia.....	70	53	55	1,141	530	578	16 3	10 0	10 5	270	489	84
West Virginia.....	16	15	12	259	128	144	16 2	8 5	12 0	65	105	73
North Carolina.....	64	64	60	576	512	420	9 0	8 0	7 0	312	403	96
South Carolina.....	8	9	7	76	72	49	9 5	8 0	7 0	51	59	120
Georgia.....	13	14	13	110	88	72	8 5	6 3	5 5	61	73	102
Kentucky.....	24	13	12	360	117	132	15 0	9 0	11 0	51	107	81
Tennessee.....	22	19	16	176	114	104	8 0	6 0	6 5	63	94	90
Oklahoma.....	9	6	5	117	60	38	13 0	10 0	7 5	16	27	72
Texas.....	3	3	2	40	27	12	13 5	9 0	6 0	7	9	71
Montana.....	20	40	38	90	520	266	4 5	13 0	7 0	94	106	40
Idaho.....	3	4	3	30	48	33	10 0	12 0	11 0	13	16	48
Wyoming.....	25	24	23	150	156	126	6 0	6 5	5 5	39	58	46
Colorado.....	53	25	18	371	150	117	7 0	6 0	6 5	34	56	48
Utah.....	3	3	3	15	24	21	5 0	8 0	7 0	11	13	63
Washington.....	10	12	12	75	96	84	7 5	8 0	7 0	38	51	61
Oregon.....	15	21	21	128	242	220	8 5	11 5	10 5	106	141	64

GRAIN SORGHUMS ⁴

United States.....	7,168	7,864	8,143	105,369	106,306	87,884	14 7	13 5	10 8	20,349	35,802	41
Missouri.....	90	104	88	1,395	1,716	1,408	15 5	16 5	16 0	549	817	58
Nebraska.....	15	22	37	218	330	574	14 5	15 0	15 5	82	258	45
Kansas.....	1,107	1,328	1,607	17,158	17,264	16,070	15 5	13 0	10 0	3,108	5,946	37
Oklahoma.....	1,443	1,602	1,400	14,430	15,219	11,900	10 0	9 5	8 5	3,044	4,998	42
Texas.....	3,871	4,065	4,228	60,000	63,008	46,508	15 5	15 5	11 0	11,341	19,068	41
Colorado.....	191	206	284	2,101	1,236	2,130	11 0	6 0	7 5	198	746	35
New Mexico.....	356	392	372	7,832	3,763	5,208	22 0	9 6	14 0	602	1,927	37
Arizona.....	24	30	35	648	780	1,050	27 0	26 0	30 0	289	494	47
California.....	69	115	92	1,587	2,990	3,036	23 0	26 0	33 0	1,136	1,548	51

¹ Preliminary

² Based on weighted average price for the crop-marketing season except value of grain sorghums for 1933 which is based on Dec. 1 prices

³ Weighted average price for the crop-marketing season for barley, Dec. 1 price for grain sorghums.

⁴ For all purposes, production includes grain equivalent on forage acreage.

Source. Bureau of Agricultural Economics, Department of Agriculture.

No. 599.—POTATOES: ACREAGE, PRODUCTION, AND FARM VALUE, BY STATES

NOTE.—Weight of a bushel of potatoes, 60 pounds

Division and State	Acreage			Production			Yield per acre			Farm value ²		Price received by producers, 1933 ³
	1931	1932	1933 ¹	1931	1932	1933 ¹	1931	1932	1933	1932	1933 ¹	
	1,000 acres 3,366	1,000 acres 3,381	1,000 acres 3,184	1,000 bus 372,994	1,000 bus 368,009	1,000 bus 317,143	Bus 111	Bus 106	Bus 100	1,000 dolls 138,877	1,000 dolls 261,634	
United States..												Cts. per bu 83
New England.....	239	221	203	55,868	48,350	50,165	234	219	247	14,642	38,447	77
Maine.....	186	170	150	47,988	40,460	42,000	258	238	280	10,115	29,400	70
New Hampshire..	9	8	8	1,485	1,320	1,440	165	165	180	726	1,469	102
Vermont.....	17	16	15	2,550	2,320	1,950	150	145	130	1,090	1,872	96
Massachusetts....	13	13	15	1,625	1,950	2,325	125	150	155	1,365	2,953	127
Rhode Island.....	2	2	2	300	320	370	150	160	185	237	548	148
Connecticut.....	12	12	13	1,920	1,980	2,080	160	165	160	1,109	2,205	106
Middle Atlantic....	434	450	433	63,064	58,955	53,173	145	127	123	24,999	54,704	103
New York.....	202	210	200	28,684	28,350	24,600	142	135	123	11,340	24,108	98
New Jersey.....	41	45	44	7,831	7,155	7,216	181	159	164	3,363	9,453	131
Pennsylvania.....	191	195	189	26,549	21,450	21,357	139	110	113	10,296	21,143	99
East North Central..	736	752	721	69,074	74,453	50,240	94	99	69	24,637	40,630	81
Ohio.....	110	117	112	11,220	11,583	8,064	102	99	72	6,139	9,354	116
Indiana.....	58	61	57	4,930	5,490	3,192	85	90	56	2,525	3,160	99
Illinois.....	50	54	48	4,260	4,860	1,584	85	90	33	2,770	2,487	157
Michigan.....	250	260	265	23,750	29,900	20,670	95	115	78	7,774	15,089	73
Wisconsin.....	268	260	239	24,924	22,620	16,730	93	87	70	5,429	10,540	63
West North Central..	837	822	822	58,787	71,673	52,561	70	78	64	21,407	39,304	75
Minnesota.....	361	379	334	28,880	29,562	22,712	80	78	68	6,799	13,854	61
Iowa.....	70	74	75	3,850	8,140	6,100	55	110	68	3,175	5,253	103
Missouri.....	54	56	54	4,104	5,000	2,808	76	100	52	2,912	3,566	127
North Dakota.....	121	161	140	8,954	9,338	8,400	74	58	60	2,148	4,620	55
South Dakota.....	54	73	62	2,160	5,110	2,430	40	70	40	1,278	1,800	75
Nebraska.....	131	135	115	7,205	8,775	8,625	55	65	75	2,984	6,814	79
Kansas.....	46	44	42	3,634	5,148	2,436	79	117	58	2,111	3,337	137
South Atlantic.....	345	297	295	38,238	27,120	26,441	111	91	80	17,874	26,161	99
Delaware.....	5	6	6	540	516	444	108	86	74	273	466	105
Maryland.....	32	31	30	3,360	2,852	2,700	105	92	90	1,540	2,943	109
Virginia.....	118	94	93	14,278	9,682	8,649	121	103	93	5,909	9,081	105
West Virginia....	40	41	37	3,200	3,485	2,331	80	85	63	1,986	2,634	113
North Carolina....	79	68	77	8,532	6,596	7,315	108	97	95	4,485	6,364	87
South Carolina....	25	17	16	3,500	1,445	1,744	140	85	109	1,272	1,570	90
Georgia.....	18	17	18	1,188	1,003	1,026	66	59	57	732	893	87
Florida.....	28	23	18	3,640	1,541	2,232	130	67	124	1,680	2,210	99
East South Central..	185	183	184	12,095	11,741	10,964	73	72	66	8,493	10,812	99
Kentucky.....	55	60	62	3,960	4,620	4,092	72	77	66	2,957	4,747	116
Tennessee.....	57	53	57	3,363	3,657	3,762	59	69	66	2,743	3,574	95
Alabama.....	39	36	32	3,666	2,484	2,304	94	69	72	2,087	1,774	77
Mississippi.....	14	14	13	1,106	980	806	79	70	62	706	717	89
West South Central..	200	181	173	15,187	12,049	11,118	76	67	64	8,465	9,599	86
Arkansas.....	43	37	39	3,655	2,627	2,613	85	71	67	1,681	2,273	87
Louisiana.....	48	40	41	3,600	2,160	2,337	75	54	57	1,814	1,893	81
Oklahoma.....	45	42	36	3,240	3,108	2,520	72	74	70	1,647	2,369	94
Texas.....	64	62	57	4,672	4,154	3,648	73	67	64	3,323	3,064	84
Mountain.....	287	280	280	41,208	37,859	40,748	144	135	157	10,401	25,493	63
Montana.....	19	22	23	1,615	2,244	1,955	85	102	85	898	1,466	75
Idaho.....	110	99	92	24,200	19,600	19,504	220	206	212	4,356	10,922	56
Wyoming.....	31	33	31	2,945	1,485	3,007	95	45	97	520	2,165	72
Colorado.....	101	100	87	9,595	11,000	13,050	95	110	150	2,860	8,352	64
New Mexico.....	5	6	8	385	610	640	77	85	80	408	678	106
Arizona.....	3	3	3	255	270	240	85	90	80	248	247	103
Utah.....	15	15	14	1,950	2,250	2,100	130	150	150	630	1,491	71
Nevada.....	3	2	2	261	300	250	87	150	125	120	172	69
Pacific.....	123	115	113	19,495	17,809	21,735	158	155	192	8,320	16,484	76
Washington.....	44	40	41	6,320	6,400	7,880	155	160	180	2,624	4,945	67
Oregon.....	42	42	39	5,460	5,040	6,435	130	120	165	2,066	4,569	71
California.....	37	33	33	7,215	6,369	7,920	195	193	240	3,630	6,970	88

¹ Preliminary² Based on weighted average price for the crop-marketing season.³ Weighted average price for the crop-marketing season

Source Bureau of Agricultural Economics, Department of Agriculture.

No. 600.—SWEETPOTATOES AND TOBACCO: ACREAGE, PRODUCTION, AND FARM VALUE, BY STATES

SWEETPOTATOES

State	Acreage			Production			Yield per acre			Farm value ²		Price received by producers, 1933
	1931	1932	1933 ¹	1931	1932	1933 ¹	1931	1932	1933	1932	1933 ¹	
United States...	1,000 acres 785	1,000 acres 928	1,000 acres 761	1,000 bushels 63,043	1,000 bushels 78,431	1,000 bushels 65,073	Bush 80.3	Bush 84.7	Bush 85.5	1,000 dollars 42,154	1,000 dollars 43,636	Cts. per bu. ³ 67
New Jersey.....	13	12	11	1,950	1,560	1,925	150	130	175	1,061	1,424	74
Indiana.....	4	4	4	540	440	400	135	110	100	273	348	87
Illinois.....	6	7	6	612	735	420	102	105	70	316	353	84
Iowa.....	3	3	3	300	300	270	100	100	90	219	356	132
Missouri.....	10	10	10	900	900	750	90	90	75	468	608	81
Kansas.....	6	6	5	570	720	490	95	120	98	389	475	97
Delaware.....	8	7	7	1,400	805	910	175	115	130	362	564	62
Maryland.....	11	8	6	2,013	888	840	183	111	140	444	512	61
Virginia.....	38	38	35	4,750	3,610	3,885	125	95	111	1,516	2,448	63
North Carolina.....	80	94	85	6,560	7,990	7,905	82	85	93	4,075	5,692	72
South Carolina.....	53	66	56	3,180	6,072	4,648	60	92	83	2,732	2,975	64
Georgia.....	91	109	95	4,550	8,938	7,600	50	82	80	6,614	4,484	59
Florida.....	21	25	21	1,638	1,500	1,470	78	60	70	1,185	1,073	73
Kentucky.....	21	25	20	2,058	2,200	1,840	98	88	92	1,364	1,270	69
Tennessee.....	68	75	50	5,440	6,600	4,500	80	88	90	2,574	2,880	64
Alabama.....	78	101	76	5,070	8,585	5,396	65	85	71	6,010	4,101	76
Mississippi.....	63	79	63	5,544	7,900	5,670	88	100	90	4,187	3,515	62
Arkansas.....	32	38	28	2,624	2,660	2,380	82	70	85	1,277	1,404	59
Louisiana.....	72	84	74	5,400	5,544	5,180	75	66	70	2,550	3,263	63
Oklahoma.....	18	22	18	1,260	1,584	1,404	70	72	78	744	870	62
Texas.....	77	100	78	5,544	7,600	6,240	72	76	80	3,040	3,931	63
California.....	12	13	10	1,140	1,300	950	95	100	95	754	1,140	120

TOBACCO

State	Acreage			Production			Yield per acre			Farm value ²		Cts. per lb.
	1,000 acres	1,000 acres	1,000 acres	1,000 pounds	1,000 pounds	1,000 pounds	Lbs.	Lbs.	Lbs.	1,000 dollars	1,000 dollars	
United States...	2,014.0	1,413.8	1,753.7	1,607,484	1,022,568	1,386,174	798.2	723.3	798.1	107,357	180,647	12.9
Massachusetts.....	7.6	5.6	3.6	10,085	8,232	5,051	1,327	1,470	1,403	1,077	1,066	21.1
Connecticut.....	22.5	15.4	11.6	29,250	22,099	15,683	1,300	1,435	1,352	4,143	4,037	25.7
New York.....	1.2	1.4	.6	1,560	1,400	720	1,300	1,000	1,200	49	29	4.0
Pennsylvania.....	40.9	42.1	25.3	57,678	46,316	26,563	1,410	1,100	1,050	2,401	1,455	5.5
Ohio.....	55.0	45.1	31.3	54,515	32,981	24,945	991	731	797	2,264	2,017	8.1
Indiana.....	21.1	13.7	17.0	19,299	10,057	12,920	915	734	760	993	988	7.6
Wisconsin.....	40.0	28.0	12.6	48,800	36,180	14,868	1,220	1,292	1,180	1,228	530	3.6
Minnesota.....	1.9	.6	.3	2,185	660	270	1,150	1,100	900	20	9	3.2
Missouri.....	8.0	8.2	9.0	7,600	8,405	8,325	950	1,025	925	1,177	999	12.0
Maryland.....	38.2	33.9	32.2	28,077	26,272	17,710	735	775	550	4,466	3,188	18.0
Virginia.....	151.0	91.0	122.0	102,435	55,616	90,725	678	611	744	4,746	12,200	13.4
West Virginia.....	7.0	3.7	6.7	5,180	2,312	4,968	740	625	740	328	595	12.0
North Carolina.....	698.0	470.0	673.0	479,395	293,694	518,522	687	625	770	35,273	83,553	16.1
South Carolina.....	102.0	68.0	101.0	69,972	39,236	85,850	686	577	850	4,904	10,817	12.6
Georgia.....	84.0	23.5	66.0	59,601	12,565	58,124	710	535	881	1,415	6,598	11.4
Florida.....	9.1	4.2	6.2	7,595	3,312	4,822	835	789	778	836	707	14.7
Kentucky.....	555.0	424.0	477.0	488,757	315,862	369,780	865	745	775	31,367	37,508	10.1
Tennessee.....	161.0	135.0	158.0	135,275	107,187	136,210	840	794	862	10,627	14,325	10.5
Louisiana.....	.5	.4	.3	225	172	128	450	430	425	43	26	20.0

¹ Preliminary² Basis average prices for the crop marketing season, for sweetpotatoes, weighted average³ Weighted average price for the crop-marketing season⁴ Average price for the crop-marketing season

Source: Bureau of Agricultural Economics, Department of Agriculture

No. 601.—TAME HAY. ACREAGE, PRODUCTION, AND FARM VALUE, BY STATES

Division and State	Acreage			Production			Yield per acre			Farm value, Dec 1		Price received by producers, Dec 1, 1933
	1931	1932	1933 ¹	1931	1932	1933 ¹	1931	1932	1933	1932	1933 ¹	
	1,000 acres	1,000 acres	1,000 acres	1,000 tons ²	1,000 tons ²	1,000 tons ²	Tons ²	Tons ²	Tons ²	1,000 dollars	1,000 dollars	Dolls. per ton
United States.....	54, 136	53, 282	53, 829	65, 341	70, 199	65, 852	1.21	1.32	1.22	466, 752	533, 589	8.10
New England.....	2, 831	2, 833	2, 835	3, 385	2, 965	2, 893	1.20	1.05	1.02	35, 037	39, 142	13.53
Maine.....	962	966	966	947	804	804	.98	.83	.83	7, 960	8, 522	10.60
N Hampshire.....	344	336	336	377	303	322	1.10	.90	.96	3, 939	4, 701	14.60
Vermont.....	907	916	916	1, 213	1, 104	962	1.34	1.21	1.05	10, 819	12, 987	13.60
Massachusetts.....	334	332	330	481	404	433	1.44	1.22	1.31	6, 464	7, 058	16.30
Rhode Island.....	34	34	35	44	41	44	1.29	1.21	1.26	726	757	17.20
Connecticut.....	250	249	252	323	309	328	1.29	1.24	1.30	5, 129	5, 117	15.60
Middle Atlantic.....	6, 652	6, 617	6, 656	8, 792	7, 794	8, 033	1.32	1.13	1.21	68, 953	80, 401	10.01
New York.....	3, 990	3, 990	4, 030	5, 286	4, 871	4, 576	1.32	1.22	1.14	35, 071	43, 472	9.50
New Jersey.....	207	202	202	352	318	350	1.70	1.57	1.73	4, 134	4, 305	12.30
Pennsylvania.....	2, 455	2, 425	2, 424	3, 154	2, 605	3, 107	1.28	1.07	1.28	24, 748	32, 624	10.50
E. N. Central.....	12, 188	11, 738	11, 951	14, 545	14, 589	13, 759	1.19	1.24	1.15	91, 834	108, 400	7.88
Ohio.....	2, 519	2, 383	2, 468	3, 196	2, 496	2, 378	1.27	1.05	.96	11, 731	15, 933	6.70
Indiana.....	1, 765	1, 764	1, 703	2, 031	2, 208	1, 813	1.15	1.25	1.06	11, 040	13, 598	7.50
Illinois.....	2, 330	2, 313	2, 340	2, 918	3, 088	2, 824	1.25	1.34	1.21	16, 058	21, 462	7.60
Michigan.....	2, 394	2, 397	2, 491	2, 543	3, 164	3, 059	1.06	1.32	1.23	17, 402	20, 189	6.60
Wisconsin.....	3, 180	2, 881	2, 949	3, 857	3, 633	3, 685	1.21	1.26	1.25	35, 603	37, 218	10.10
W. N. Central.....	14, 392	13, 480	14, 246	14, 776	18, 309	15, 981	1.03	1.36	1.12	98, 187	97, 997	8.11
Minnesota.....	2, 536	2, 566	2, 706	2, 756	3, 672	3, 130	1.09	1.43	1.13	22, 399	21, 910	7.00
Iowa.....	3, 863	3, 929	3, 172	3, 286	4, 645	4, 141	1.14	1.59	1.31	26, 941	25, 260	6.10
Missouri.....	3, 042	2, 847	2, 797	3, 035	2, 572	2, 547	1.00	.90	.91	14, 146	17, 829	7.00
North Dakota.....	1, 771	1, 366	1, 281	1, 274	1, 615	919	.72	1.18	.72	6, 460	4, 503	4.90
South Dakota.....	1, 425	1, 015	1, 277	759	1, 045	778	.53	1.03	.61	4, 441	4, 668	6.00
Nebraska.....	1, 661	1, 680	1, 871	2, 093	2, 960	2, 858	1.26	1.76	1.53	13, 320	13, 718	4.80
Kansas.....	1, 094	1, 077	1, 142	1, 593	1, 800	1, 608	1.46	1.67	1.41	8, 460	9, 809	6.10
South Atlantic.....	3, 749	3, 862	3, 704	3, 514	3, 168	3, 474	.94	.82	.94	31, 339	40, 332	11.61
Delaware.....	63	73	73	106	114	122	1.68	1.56	1.67	1, 060	1, 305	10.70
Maryland.....	380	403	403	467	468	529	1.23	1.16	1.31	4, 446	6, 031	11.40
Virginia.....	940	832	875	1, 039	757	992	1.11	.91	1.13	7, 797	11, 110	11.20
West Virginia.....	648	620	626	651	558	690	1.00	.90	1.10	5, 636	7, 728	13.20
North Carolina.....	721	737	680	667	541	553	.93	.73	.81	6, 113	7, 576	11.70
South Carolina.....	244	287	263	178	210	195	.73	.73	.74	2, 100	2, 438	12.50
Georgia.....	675	826	706	360	481	358	.58	.58	.51	3, 848	3, 759	10.50
Florida.....	78	84	78	46	39	35	.59	.46	.45	339	385	11.00
E. S. Central.....	3, 287	3, 296	3, 184	3, 274	3, 012	3, 101	1.00	.91	.97	23, 829	29, 643	9.56
Kentucky.....	1, 175	1, 165	1, 178	1, 231	1, 180	1, 260	1.05	1.01	1.07	9, 086	11, 340	9.00
Tennessee.....	1, 220	1, 187	1, 175	1, 159	1, 039	1, 132	.95	.88	.96	9, 039	11, 546	10.20
Alabama.....	572	626	516	444	424	346	.78	.68	.67	3, 010	3, 495	10.10
Mississippi.....	320	318	315	440	369	363	1.38	1.16	1.15	2, 694	3, 267	9.00
W. S. Central.....	1, 728	1, 782	1, 749	2, 154	2, 170	2, 006	1.25	1.22	1.15	12, 403	16, 115	8.03
Arkansas.....	574	544	609	706	561	709	1.23	1.03	1.16	3, 703	6, 381	9.00
Louisiana.....	166	170	176	274	221	198	1.65	1.30	1.12	1, 503	1, 584	8.00
Oklahoma.....	445	510	449	568	746	591	1.28	1.46	1.32	3, 730	4, 137	7.00
Texas.....	543	558	515	606	642	508	1.12	1.15	.99	3, 467	4, 013	7.90
Mountain.....	5, 765	5, 988	5, 995	7, 946	10, 250	9, 692	1.38	1.71	1.61	56, 150	60, 388	6.28
Montana.....	1, 636	1, 630	1, 648	2, 388	1, 934	1, 934	1.01	1.47	1.25	13, 134	12, 658	6.70
Idaho.....	1, 029	1, 102	1, 086	2, 080	2, 673	2, 329	2.02	2.43	2.14	11, 227	14, 673	6.30
Wyoming.....	1, 766	828	874	788	1, 005	1, 023	1.03	1.21	1.17	6, 130	6, 956	6.80
Colorado.....	1, 258	1, 274	1, 347	1, 830	1, 993	1, 993	1.31	1.41	1.49	11, 895	10, 563	5.30
New Mexico.....	162	167	164	363	322	352	2.24	1.93	2.15	2, 415	3, 274	9.30
Arizona.....	127	137	139	366	363	380	2.88	2.65	2.73	2, 323	2, 660	7.00
Utah.....	610	650	643	831	1, 268	1, 249	1.36	1.95	1.94	7, 101	7, 494	6.00
Nevada.....	177	200	207	223	401	362	1.26	2.00	1.75	1, 925	1, 810	5.00
Pacific.....	3, 544	3, 686	3, 509	6, 955	7, 942	6, 983	1.96	2.15	1.99	56, 040	61, 466	8.80
Washington.....	845	848	822	1, 738	1, 717	1, 443	2.06	2.02	1.76	12, 362	15, 296	10.60
Oregon.....	935	992	967	1, 497	1, 705	1, 603	1.60	1.72	1.66	10, 230	15, 068	9.40
California.....	1, 764	1, 846	1, 720	3, 720	4, 520	3, 937	2.11	2.45	2.29	33, 448	31, 102	7.90

¹ Preliminary² Tons of 2,000 pounds.

Source Bureau of Agricultural Economics, Department of Agriculture.

No. 602.—WILD HAY: ACREAGE, PRODUCTION, AND FARM VALUE, BY STATES

Division and State	Acreage			Production			Yield per acre			Farm value Dec 1		Price received by pro- ducers, Dec 1, 1933
	1931	1932	1933 ¹	1931	1932	1933 ¹	1931	1932	1933	1932	1933 ¹	
	1,000 acres	1,000 acres	1,000 acres	1,000 tons ²	1,000 tons ²	1,000 tons ²	Tons ² 0 68	Tons ² 0 85	Tons ² 0 70	1,000 dollars	1,000 dollars	
United States.....	12, 253	14, 275	12, 315	8, 367	12, 137	8, 633				48, 384	44, 964	Dolls. per ton 5 21
New England.....	28	26	26	25	23	22	.96	.88	.85	195	207	9 41
Maine.....	5	5	5	5	4	4	1 00	.90	.80	30	31	7 80
New Hampshire.....	4	4	4	4	3	3	.90	.80	.80	27	28	9 50
Vermont.....	6	6	6	5	6	5	.85	1 00	.80	38	42	8 40
Massachusetts.....	6	6	6	6	5	5	.97	.85	.90	48	50	10 00
Rhode Island.....	1	1	1	1	1	1	.80	.85	1 00	10	12	11 60
Connecticut.....	4	4	4	4	4	4	1 10	1 05	1 10	42	44	11 00
Middle Atlantic.....	63	64	60	69	62	63	1 10	.97	1 05	358	465	7 38
New York.....	38	40	38	42	40	36	1 10	1 00	.95	208	256	7 10
New Jersey.....	13	12	13	14	14	20	1 10	1 15	1 50	95	160	8 00
Pennsylvania.....	12	12	9	13	8	7	1 05	.70	.80	52	49	7 00
East North Central.....	383	407	404	377	421	430	.98	1 03	1 06	2, 344	2, 600	8 05
Ohio.....	5	4	3	4	3	2	.75	.70	.70	12	10	5 00
Indiana.....	8	8	9	7	8	8	.89	.95	.85	30	40	5 00
Illinois.....	16	16	21	14	14	17	.85	.90	.80	56	95	5 60
Michigan.....	39	29	31	37	28	29	.95	.95	.95	112	136	4 70
Wisconsin.....	315	350	340	315	368	374	1 00	1 05	1 10	2, 131	2, 319	6 20
West North Central.....	9, 088	10, 496	8, 692	5, 697	8, 599	5, 395	.63	.82	.62	31, 032	25, 326	4 69
Minnesota.....	1, 776	1, 865	1, 772	1, 332	1, 865	1, 240	.75	1 00	.70	7, 646	6, 324	5 10
Iowa.....	174	166	163	122	191	147	.70	1 15	.90	890	735	5 00
Missouri.....	130	144	141	130	144	106	1 00	1 00	.75	634	662	5 30
North Dakota.....	1, 619	1, 862	1, 713	971	1, 583	1, 028	.60	.85	.60	5, 303	4, 832	4 70
South Dakota.....	1, 769	2, 512	1, 256	884	1, 633	628	.50	.65	.50	5, 144	3, 391	5 40
Nebraska.....	2, 728	3, 055	2, 933	1, 500	2, 261	1, 760	.55	.75	.60	8, 591	7, 362	4 20
Kansas.....	892	892	714	758	892	486	.85	1 00	.68	2, 854	2, 060	4 30
South Atlantic.....	79	69	74	74	55	66	.94	.80	.89	409	586	8 88
Delaware.....	2	3	3	3	3	3	1 50	1 00	1 15	10	18	6 00
Maryland.....	4	2	3	4	2	3	.90	.90	.85	13	21	7 00
Virginia.....	9	7	9	7	5	8	.80	.65	.90	35	64	8 00
West Virginia.....	6	5	5	5	4	5	.81	.90	.95	30	38	7 70
North Carolina.....	24	19	20	26	15	20	1 10	.80	1 00	132	220	11 00
South Carolina.....	11	11	12	9	7	8	.80	.60	.70	55	80	10 00
Georgia.....	19	18	18	17	16	17	.90	.90	.95	112	124	7 30
Florida.....	4	4	4	3	3	2	.70	.70	.60	22	21	10 40
East South Central.....	128	130	127	116	115	107	.91	.88	.84	637	742	6 93
Kentucky.....	10	10	7	10	10	7	.95	.95	1 00	58	42	6 00
Tennessee.....	38	40	40	30	29	30	.80	.73	.75	157	195	6 50
Alabama.....	42	42	42	31	38	32	.80	.90	.75	224	250	7 80
Mississippi.....	38	38	38	42	38	38	1 10	1 00	1 00	198	255	6 70
West South Central.....	894	922	862	795	799	697	.89	.87	.81	3, 278	3, 913	5 61
Arkansas.....	152	160	168	167	144	176	1 10	.90	1 05	648	1, 056	6 00
Louisiana.....	26	26	26	30	20	31	1 15	.75	1 20	114	202	6 50
Oklahoma.....	511	531	451	424	451	316	.83	.85	.70	1, 578	1, 454	4 60
Texas.....	205	205	217	174	184	174	.85	.90	.80	938	1, 201	6 90
Mountain.....	1, 242	1, 705	1, 621	907	1, 564	1, 370	.73	.82	.85	7, 617	7, 942	5 80
Montana.....	402	700	665	281	595	499	.70	.85	.75	2, 077	3, 244	6 50
Idaho.....	78	101	96	78	152	96	1 00	1 50	1 00	509	461	4 80
Wyoming.....	263	300	276	132	225	166	.50	.75	.60	1, 215	1, 112	6 70
Colorado.....	362	366	373	290	329	410	.80	.90	1 10	1, 777	2, 132	5 20
New Mexico.....	23	23	23	21	17	17	.90	.75	.75	110	133	7 80
Arizona.....	12	10	10	13	10	9	1 10	1 00	.90	57	54	6 00
Utah.....	66	70	63	63	74	69	.95	1 05	1 10	326	338	4 90
Nevada.....	36	135	115	29	162	104	.80	1 20	.90	648	468	4 50
Pacific.....	350	456	449	307	499	483	.88	1 09	1 08	2, 514	3, 133	6 59
Washington.....	31	31	29	36	40	33	1 15	1 30	1 15	240	277	8 40
Oregon.....	222	289	298	189	289	328	.85	1 00	1 10	1, 373	2, 198	6 70
California.....	97	136	122	82	170	122	.85	1 25	1 00	901	708	5 80

¹ Preliminary² Tons of 2,000 pounds

Source, Bureau of Agricultural Economics, Department of Agriculture.

No. 603.—ORCHARD FRUITS: PRODUCTION AND VALUE

Crop	Production (thousands)					Value (thousands of dollars) ²			
	Unit	1930	1931	1932	1933 ¹	1930	1931	1932	1933 ¹
Apples, total	Bu	153,324	202,415	140,775	143,827	156,758	181,938	86,638	104,323
Commercial	Bbl	33,529	34,592	28,592	25,744				
Peaches	Bu	54,199	70,586	42,443	45,326	44,142	40,726	18,897	32,618
Pears	do	25,635	23,346	22,050	21,192	18,292	13,667	7,627	10,252
Grapes	Ton	2,441	1,622	2,204	1,809	44,817	36,100	26,983	32,114
Cherries (12 States)	do	114	112	127	112	14,688	7,964	5,157	6,312
Plums and prunes, fresh	do	148	117	152	112	4,291	2,449	1,559	2,160
(4 States)	do								
Prunes, dried (4 States)	do	303	245	195	197	15,856	14,719	10,430	15,580
Oranges (7 States)	Box	55,270	50,164	50,930	48,216	90,712	66,798	55,791	53,623
Grapefruit (4 States)	do	18,934	15,371	15,469	12,689	22,848	16,259	12,878	12,303
Lemons (California)	do	7,950	7,800	6,715	6,800	18,682	15,210	14,102	14,280

¹ Preliminary² Based on average price for the crop marketing season; for apples, weighted average; for oranges and grapefruit, see note 21, Table 591.³ Includes some quantities not harvested owing to market conditions; values computed on harvested crop.

No. 604.—APPLES, PEACHES, PEARS, AND GRAPES: PRODUCTION IN LEADING STATES

State	Apples (1,000 bushels)			Peaches (1,000 bushels)			Pears (1,000 bushels)			Grapes (tons of 2,000 pounds)		
	1931	1932	1933 ¹	1931	1932	1933 ¹	1931	1932	1933 ¹	1931	1932	1933 ¹
United States ²	202,415	140,775	143,827	76,586	42,443	45,326	23,346	22,050	21,192	1,621,837	2,203,758	1,808,584
Maine	1,179	2,575	1,884				12	12	11	25	24	24
N. Hampshire	520	950	1,131	24	20	18	12	12	12	46	43	43
Vermont	800	1,000	1,027				10	11	7	42	42	31
Massachusetts	1,575	3,525	3,486	153	166	134	44	63	57	339	334	353
Rhode Island	270	375	350	40	44	26	7	10	8	250	237	207
Connecticut	615	1,420	1,184	210	215	172	18	28	20	1,243	1,226	1,240
New York	17,902	22,197	16,060	1,880	1,663	1,092	800	1,745	900	97,378	67,971	64,800
New Jersey	3,400	3,640	3,380	2,230	1,776	987	96	112	71	3,084	3,230	2,535
Pennsylvania	14,000	9,537	7,293	2,660	1,676	1,144	470	384	366	30,600	22,977	17,808
Ohio	14,600	5,145	4,380	2,220	814	456	505	313	336	31,000	30,705	27,412
Indiana	3,600	871	819	1,480	106	221	264	80	100	3,250	3,108	2,590
Illinois	8,265	2,300	2,112	4,300	188	1,522	760	71	320	6,800	6,000	5,986
Michigan	10,070	5,800	8,651	1,946	1,845	215	484	783	532	57,270	71,220	58,565
Wisconsin	1,827	1,914	1,938							380	396	357
Minnesota	1,180	680	960							310	327	307
Iowa	1,620	1,827	1,425	112	76	7	94	78	68	6,700	7,650	6,624
Missouri	5,412	928	3,132	1,500	1,020	204	500	51	146	10,400	9,717	9,880
Nebraska	500	627	370	50	58	4	35	38	17	2,520	2,960	1,824
Kansas	1,910	540	1,431	330	50	14	220	35	90	4,800	4,810	4,158
Delaware	1,800	1,066	932	500	227	205	38	35	20	1,989	2,352	2,448
Maryland	3,458	1,368	1,312	820	348	400	149	92	66	671	625	596
Virginia	21,117	7,830	10,900	1,600	324	990	510	87	270	1,970	1,488	1,666
West Virginia	12,954	4,191	4,200	1,030	1,43	396	129	23	57	1,304	1,008	990
N. Carolina	5,328	1,825	5,254	3,128	1,645	2,080	340	113	228	5,100	3,431	4,661
S. Carolina	320	164	279	1,840	792	1,633	119	54	94	1,033	750	958
Georgia	1,440	640	1,150	9,134	1,170	5,440	204	106	114	869	630	759
Florida				92	28	57	59	44	25	1,025	454	767
Kentucky	4,606	720	2,340	1,280	79	232	320	37	80	1,275	1,035	1,174
Tennessee	3,375	936	2,194	2,850	300	580	335	59	94	1,275	1,005	1,155
Alabama	1,100	252	648	1,530	221	908	360	132	132	720	509	625
Mississippi	260	51	174	1,060	132	494	260	107	85	281	178	231
Arkansas	3,124	1,368	1,925	3,000	352	672	200	34	68	10,440	12,936	12,120
Oklahoma	378	387	350	360	280	102	91	46	69	2,550	3,440	2,610
Texas	180	135	98	1,500	792	782	383	182	104	1,845	1,809	1,820
Montana	420	593	525									
Idaho	5,000	4,200	5,244	170	178	40	58	60	59	531	561	488
Colorado	2,000	2,139	2,451	1,130	1,401	578	271	377	271	280	462	400
New Mexico	1,082	726	285	101	44	13	55	44	9	1,058	1,050	768
Arizona	96	77	51	85	83	67	18	15	13	1,900	1,912	2,016
Utah	400	924	313	550	748	62	49	76	47	1,050	1,274	930
Washington	31,400	30,960	29,240	1,050	1,320	240	3,650	3,723	4,264	5,400	5,100	5,320
Oregon	4,150	4,950	4,095	220	348	227	1,995	2,808	2,738	2,670	2,640	2,205
California	9,112	9,045	9,672	24,127	22,794	22,752	9,084	9,917	9,209	1,320,000	1,926,000	1,559,000
Other States	100	302	179	314	95	160	84	53	35	134	132	133

¹ Preliminary² Production for California includes some quantities not harvested on account of market conditions as follows—Apples, 1932, 220,000 bushels; peaches, 1931, 8,063,000 bushels, including 3,938,000 sold but left on trees; 1932, 6,710,000, 1933, 3,647,000, including 1,480,000 sold but left on trees; pears, 1931, 625,000 bushels; 1932, 2,666,000; 1933, 1,667,000; grapes, 1931, 10,000 tons; 1932, 154,000, 1933, 6,000

Source of Tables 603 and 604 Bureau of Agricultural Economics, Department of Agriculture.

No. 605.—APPLES, PEACHES, AND PEARS: UNITED STATES PRODUCTION

[In thousands of bushels. The approximate weight of a bushel of apples is 45 pounds, peaches, 48; pears, 50]

Yearly average or year	Apples	Peaches	Pears	Year	Apples	Peaches	Pears
1891-1895	157,693			1924	160,049	53,848	18,866
1896-1900	179,143			1925	151,752	46,562	20,720
1901-1905	182,672	38,166		1926	227,043	¹ 68,865	25,249
1906-1910	154,454	39,684		1927	115,625	¹ 45,463	18,373
1911-1915	215,572	49,027	11,341	1928	176,721	¹ 68,369	24,212
1916-1920	175,676	43,632	14,066	1929	133,318	44,977	¹ 21,138
1921-1925	155,605	46,849	17,887	1930	153,324	¹ 54,199	¹ 25,633
1926-1930	161,206	56,575	22,921	1931	202,415	¹ 76,586	¹ 23,946
1922	189,776	55,852	20,705	1932	¹ 140,775	¹ 42,443	¹ 22,050
1923	180,968	45,382	17,845	1933 (preliminary)	143,827	¹ 45,326	¹ 21,192

¹ Includes some estimated quantities not harvested on account of market conditions.

No. 606.—APPLES, PEACHES, PEARS, AND GRAPES: FARM PRICES

NOTE.—Prices of apples, peaches, and pears in dollars per bushel, prices of grapes in dollars per ton. Prices are averages for the crop marketing season, for apples, weighted averages

Division and State	Apples				Peaches				Pears				Grapes			
	1930	1931	1932	1933	1930	1931	1932	1933	1930	1931	1932	1933	1930	1931	1932	1933
United States	1 02	0 65	0 62	0 72	0 89	0 56	0 53	0 76	0 75	0 60	0 39	0 52	19	22	13	18
Maine	.85	.87	.60	.67					1 70	1 30	1 00	1 05	110	95	80	80
New Hampshire	.95	1 03	.75	.72	2 00	1 55	1 50	1 50	1 50	1 40	.95	.95	110	95	80	80
Vermont	1 34	1 10	.82	.95					1 60	1 50	1 05	1 15	110	95	80	80
Massachusetts	.90	1 20	.69	.73	1 60	1 25	1 15	1 40	1 20	1 30	.85	.85	90	75	65	60
Rhode Island	1 13	1 24	.72	.85	1 80	1 40	1 15	1 45	1 25	1 30	1 00	1 00	90	75	65	70
Connecticut	1 16	1 28	.84	.95	1 30	1 40	.80	1 30	1 15	1 60	.85	1 00	70	55	50	55
New York	.99	.82	.59	.79	1 15	.65	.60	1 10	.90	.90	.46	.85	36	22	19	24
New Jersey	1 17	.96	.89	.91	1 70	.65	.70	1 10	.90	.65	.60	.65	45	40	35	38
Pennsylvania	1 06	.62	.62	.87	1 70	.65	.80	1 20	1 10	.65	.65	.75	43	22	16	25
Ohio	1 35	.50	.64	.92	1 90	.55	.90	1 45	1 15	.50	.60	.75	40	26	18	29
Indiana	1 03	.62	.76	.97	2 00	.55	1 00	1 35	.90	.40	.60	.65	40	33	19	23
Illinois	1 47	.66	.80	.95	1 60	.50	1 20	.95	.45	.75	.70	.44	44	44	22	26
Michigan	.99	.64	.65	.68	1 50	.60	.70	1 75	1 05	.65	.45	.80	33	23	16	20
Wisconsin	1 41	.86	.64	.76									90	75	65	70
Minnesota	1 57	.86	.79	.70									90	75	65	70
Iowa	1 64	.93	.72	.91	1 70	.90	.90	1 55	1 45	.90	.75	.95	65	56	30	35
Missouri	1 38	.59	.93	.71	1 95	.65	1 20	1 15	1 10	.55	.85	.75	60	40	30	35
South Dakota	1 87	1 41	.83	1 29												
Nebraska	1 59	.95	.63	.98	1 85	1 05	.95	1 70	1 55	1 00	.95	1 40	70	50	40	60
Kansas	1 66	.85	.97	.84	1 75	.90	1 20	1 65	1 15	.65	.95	.95	75	50	40	45
Delaware	1 12	.63	.69	.78	1 60	.45	.60	1 25	.55	.40	.35	.85	45	40	35	45
Maryland	1 04	.56	.59	.74	1 50	.60	.85	1 00	.85	.45	.55	.60	60	55	50	55
Virginia	1 05	.47	.63	.59	1 60	.60	1 00	1 10	1 35	.50	.75	.60	80	80	60	75
West Virginia	1 10	.44	.62	.66	1 80	.55	1 15	1 15	1 70	.70	.90	.90	85	80	60	80
North Carolina	1 02	.55	.72	.67	1 35	.65	.95	85	1 30	.70	.85	.75	70	80	45	45
South Carolina	1 32	.95	.97	.96	1 35	.70	.95	85	1 15	.75	.80	.80	85	85	60	65
Georgia	1 31	.78	.82	.78	1 15	.55	.95	75	1 05	.70	.65	.80	115	110	90	90
Florida					1 20	.95	.95	90	1 05	.70	.60	.85	95	90	70	80
Kentucky	1 34	.50	.81	.70	1 70	.55	1 15	1 05	1 35	.50	.90	.80	65	55	40	45
Tennessee	1 65	1 20	.87	.88	1 35	.50	1 00	.95	1 15	.55	.85	.95	80	70	55	55
Alabama	1 31	.88	.92	.90	1 20	.65	.85	80	1 00	.65	.65	.85	90	80	65	65
Mississippi	1 32	.89	1 03	1 03	1 45	.75	.95	1 00	.95	.60	.50	.85	100	90	75	75
Arkansas	1 15	.54	.63	.71	1 60	.55	1 05	1 10	1 30	.55	.75	.95	50	40	26	26
Louisiana	1 40	.95	1 05	1 16	1 75	1 05	1 05	1 10	1 30	.90	.70	1 00	100	90	75	75
Oklahoma	1 55	.74	.66	.78	1 30	.90	.90	1 20	1 20	.90	1 00	1 00	60	58	37	40
Texas	1 36	.93	.92	1 06	1 40	.90	.90	1 30	1 10	.80	.80	1 05	90	80	55	55
Montana	1 15	1 01	.64	.78												
Idaho	.88	.54	.46	.68	2 00	.75	.45	1 45	1 30	1 10	.60	1 00	65	50	45	55
Wyoming	1 50	1 85	.83	.88				.42	1 30	1 30	.60	.40	.65	65	50	55
Colorado	.86	.61	.42	.57	1 45	.60	.42	1 30	1 30	.80	.40	.65	70	55	40	45
New Mexico	1 42	.78	.79	1 15	1 90	1 15	1 30	1 75	1 45	.80	.95	1 35	70	55	50	60
Arizona	2 13	1 68	1 41	1 60	1 80	1 45	1 50	1 75	2 10	1 35	.90	1 45	110	70	30	35
Utah	.87	.86	.49	.90	1 35	.50	.34	1 40	1 25	1 20	.75	1 30	60	45	40	50
Nevada	1 42	1 57	.88	1 05	2 00	2 00	.75	1 75	2 20	2 00	.85	1 50	105	90	85	85
Washington	.96	.70	.53	.68	1 35	.65	.35	1 25	.75	.50	.30	.40	35	22	13	17
Oregon	.76	.53	.46	.61	1 15	1 10	.60	1 15	.75	.70	.40	.45	33	24	15	20
California	.70	.80	.64	.57	.54	.43	.25	.48	.65	.58	.30	.44	16	20	12	16

Source of Tables 605 and 606 Bureau of Agricultural Economics, Department of Agriculture.

No. 607.—SUGAR PRODUCTION: CONTINENTAL UNITED STATES AND CERTAIN OUTLYING AREAS, AND WORLD TOTAL

[In thousands of tons of 2,000 pounds. Data represent predominantly raw sugar except as noted]

Yearly average, or year beginning July 1—	Continental United States and outlying areas	Continental United States			Puerto Rico ²	Hawaii ³	Philippine Islands ⁴	World total	Per cent of world total in—	
		Total (in terms of raw) ¹	Beet (chiefly re-fined)	Cane (chiefly raw)					Continental United States	U. S. and outlying areas
1870-1874	281	73	(⁵)	72	95	⁶ 13	110	(⁷)	(⁷)	(⁷)
1875-1879	347	96	(⁵)	96	78	20	152	(⁷)	(⁷)	(⁷)
1880-1884	476	131	1	130	87	64	195	(⁷)	(⁷)	(⁷)
1885-1889	542	153	1	152	73	119	196	(⁷)	(⁷)	(⁷)
1890-1894	759	284	14	271	63	145	266	(⁷)	(⁷)	(⁷)
1895-1899	812	326	48	279	56	256	174	10,844	3 0	7.5
1900-1904	1,141	543	194	348	115	389	94	13,321	4 1	8 6
1905-1909	1,692	808	440	361	255	489	141	15,793	5 1	10 7
1910-1914	2,251	986	652	285	363	593	309	19,863	5 0	11 3
1915-1919	2,576	1,069	789	220	466	594	447	18,873	5 7	13 6
1920-1924	2,917	1,233	951	⁸ 211	477	622	585	22,093	5 6	13 6
1925-1929	3,557	1,189	996	⁸ 118	687	861	819	28,878	4 1	12 3
1927	3,699	1,246	1,093	⁸ 71	743	897	808	28,515	4 4	13 0
1928	3,693	1,273	1,061	⁸ 132	587	899	934	30,655	4 2	12 0
1929	4,053	1,294	1,018	⁸ 200	866	912	981	30,607	4 2	13 2
1930	4,212	1,432	1,208	⁸ 184	783	989	958	31,803	4 7	13 2
1931	4,513	1,400	1,156	⁸ 157	988	1,025	⁹ 1,101	29,500	4 7	15 3
1932	4,835	1,682	1,357	⁸ 223	834	1,036	⁹ 1,283	27,088	6 2	17 8
1933 (preliminary)	5,436	1,970	1,642	⁸ 205	981	⁹ 1,029	⁹ 1,456	28,383	6 9	19 2

¹ Beet sugar not converted to raw prior to 1909. ² For 1900 to 1906, shipments to the United States.

³ Statistics for 1874 to 1880 represent exports. ⁴ Exports 1871 to 1911, production 1912 and subsequently.

⁵ Less than 500. ⁶ One year only. ⁷ Not available. ⁸ Louisiana only, beginning 1924.

⁹ Unofficial estimate; data for Philippine Islands represent estimate of centrifugal sugar only which usually accounts for about 90 per cent of the total production

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 608.—SUGAR: PRODUCTION, TRADE, AND SUPPLY AVAILABLE FOR CONSUMPTION, CONTINENTAL UNITED STATES

Yearly average or year beginning July 1—	Production (beet and cane only)	Brought in from insular areas ¹	Imports as sugar ²	Exports as sugar ³	Exports in other forms ⁴	Available for con- sumption ⁵	
						Total	Per capita
In terms of raw sugar ⁶							
	Short tons	Short tons	Short tons	Short tons	Short tons	Short tons	Pounds
1870-1874	72,608		777,685	5,269	(7)	844,924	40 7
1875-1879	96,444		830,375	23,820	(7)	902,999	38 1
1880-1884	131,073		1,151,724	39,347	(7)	1,243,449	46 5
1885-1889	152,879		1,414,647	43,136	(7)	1,524,389	50 9
1890-1894	284,346		1,864,201	16,903	(7)	2,131,644	64 3
1895-1899	326,362		1,943,678	5,660	(7)	2,264,880	62 2
1900-1904	542,798	500,764	1,839,377	7,301	(7)	2,875,638	71 7
1905-1909	808,015	751,650	1,956,304	32,423	(7)	3,483,547	78 9
1910-1914	985,531	1,038,605	2,187,469	91,554	15,164	4,104,886	85 7
1915-1919	1,069,086	1,066,272	2,834,957	642,023	44,538	4,283,754	83 3
1920-1924	1,232,959	1,314,489	3,721,100	448,697	36,102	5,783,749	104 4
1925-1929	1,189,000	2,015,035	3,643,910	158,468	31,270	6,658,207	111 9
1918	1,102,421	1,073,944	2,799,962	568,566	36,747	4,371,013	83 8
1919	903,060	975,735	3,812,955	776,502	98,386	4,816,862	91 1
1920	1,346,811	1,076,342	3,228,279	319,589	89,491	5,242,852	97 7
1921	1,424,726	1,340,867	3,940,777	1,085,349	31,397	5,589,624	102 5
1922	1,021,360	1,235,049	4,068,205	142,196	12,568	5,899,849	106 6
1923	1,111,898	1,274,870	3,436,955	152,883	24,617	5,646,223	100 5
1924	1,260,000	1,645,319	3,931,282	273,470	22,436	6,540,995	114 7
1925	1,121,000	1,981,482	3,895,947	325,804	24,998	6,647,627	114 9
1926	1,011,000	1,689,947	3,968,997	124,555	26,303	6,518,486	111 1
1927	1,246,000	2,051,659	3,415,830	115,566	29,893	6,568,090	110 4
1928	1,273,000	1,974,899	4,115,601	139,324	31,894	7,192,282	119 2
1929	1,294,000	2,377,787	2,823,173	87,092	43,320	6,364,548	104 0
1930	1,482,000	2,603,735	2,416,398	77,181	33,026	6,391,976	103 4
1931	1,400,000	2,813,113	2,321,023	59,595	28,522	6,446,024	103 5
1932	1,682,000	3,076,472	1,710,913	44,465	19,269	6,405,651	102 3
1933	1,970,000	(8)	(8)	(8)	(8)	(8)	(8)

¹ Includes Hawaii, Puerto Rico, and the Philippine Islands; Virgin Islands included after 1916

² Imports from the Philippine Islands excluded beginning 1900; reexports deducted.

³ Includes shipments to Hawaii and Puerto Rico. Excludes direct exports from them to foreign countries and also reexports of imported raw sugar.

⁴ Sugar used in the manufacture of other commodities for export on which drawback was paid

⁵ Stocks at the beginning or end of year ignored.

⁶ Except beet sugar production and exports prior to 1909 which are chiefly refined.

⁷ Not computed. ⁸ Not yet available.

No. 608.—SUGAR: PRODUCTION, TRADE, AND SUPPLY AVAILABLE FOR CONSUMPTION, CONTINENTAL UNITED STATES—Continued

Year beginning July 1—	Production	Brought in from insular areas	Imports as sugar	Exports as sugar	Exports in other forms	Available for con- sumption	
						Total	Per capita
	In terms of refined sugar ¹						
	<i>Short tons</i>	<i>Short tons</i>	<i>Short tons</i>	<i>Short tons</i>	<i>Short tons</i>	<i>Short tons</i>	<i>Pounds</i>
1925-----	1,043,000	1,859,332	3,634,323	303,073	24,298	6,210,284	107.4
1926-----	941,000	1,588,981	3,714,054	115,805	24,514	6,103,656	104.0
1927-----	1,159,000	1,930,732	3,196,443	107,704	27,805	6,150,666	103.3
1928-----	1,184,000	1,858,331	3,851,311	129,846	29,726	6,734,070	111.6
1929-----	1,204,000	2,239,140	2,641,709	81,107	40,375	5,963,307	97.5
1930-----	1,379,000	2,451,611	2,261,187	71,884	30,781	5,989,133	96.9
1931-----	1,302,000	2,648,129	2,171,882	55,541	26,582	6,039,888	97.0
1932-----	1,565,000	2,890,241	1,600,963	41,439	17,959	6,007,806	95.9
1933-----	1,833,000	(²)	(²)	(²)	(²)	(²)	(²)

¹ Not yet available.

² Raw sugar converted to refined by multiplying by the following factors: Cuba and Hawaii, 0.9358; Puerto Rico, 0.9393; Philippine Islands, 0.95, all others, 0.932

No. 609.—SUGAR, RAW: PERCENTAGES RELATING TO SUGAR CONSUMPTION IN CONTINENTAL UNITED STATES

Yearly average or year beginning July 1—	Per cent of world production retained for consumption	Per cent of consumption from 1—			Year beginning July 1—	Per cent of world production retained for consumption	Per cent of consumption from 1—		
		Domestic	Non-contiguous territory ¹	All foreign countries			Domestic	Non-contiguous territory ²	All foreign countries
1870-1874-----	(3)	8.6	13.4	78.0	1918-----	23.3	25.2	24.6	50.2
1875-1879-----	(3)	10.7	13.5	75.8	1919-----	26.8	18.7	20.3	61.0
1880-1884-----	(3)	10.5	17.1	72.4	1920-----	26.8	25.7	20.5	53.8
1885-1889-----	(3)	10.0	18.8	71.2	1921-----	27.2	25.5	24.0	50.5
1890-1894-----	(3)	13.3	11.1	75.6	1922-----	28.3	17.3	20.9	61.8
1895-1899-----	20.9	14.4	13.4	72.1	1923-----	24.8	19.7	22.6	57.7
1900-1904-----	21.6	18.9	17.4	63.7	1924-----	24.5	19.3	25.2	55.6
1905-1909-----	22.0	23.0	21.6	55.3	1925-----	23.8	16.9	29.8	53.3
1910-1914-----	20.7	24.0	25.3	50.7	1926-----	24.5	15.5	25.9	58.6
1915-1919-----	22.7	25.0	24.9	50.2	1927-----	23.5	19.0	31.2	49.8
1920-1924-----	26.2	21.3	22.7	56.0	1928-----	23.5	17.7	27.5	54.8
1925-1929-----	23.1	17.9	30.3	51.9	1929-----	20.8	20.3	37.4	42.3
1915-----	21.0	27.1	27.7	45.1	1930-----	20.1	23.2	40.7	36.1
1916-----	22.7	28.3	28.5	43.2	1931-----	21.9	21.7	43.6	34.5
1917-----	19.9	26.5	24.2	49.4	1932-----	23.6	26.3	48.0	25.7

¹ Exports assumed to be wholly from sugar imported from foreign countries

² Hawaii, Puerto Rico, and Philippine Islands and after 1916, Virgin Islands

³ Not available

No. 610.—SUGAR: WHOLESALE PRICES OF RAW AND REFINED, NEW YORK [Cents per pound]

Yearly average or year	Raw, 96° centrifugal	Refined, granulated	Year and month	Raw, 96° centrifugal	Refined, granulated	Year and month	Raw, 96° centrifugal	Refined, granulated	Year and month	Raw, 96° centrifugal	Refined, granulated
1891-1895-----	3.5	4.4	1931			1932			1933		
1896-1900-----	4.1	4.8	Jan-----	3.4	4.6	Jan-----	3.1	4.1	Jan-----	2.7	3.9
1901-1905-----	3.9	4.9	Feb-----	3.3	4.5	Feb-----	2.9	4.1	Feb-----	2.8	3.8
1906-1910-----	4.0	4.8	Mar-----	3.3	4.3	Mar-----	2.8	4.0	Mar-----	3.0	4.1
1911-1915-----	4.1	5.0	Apr-----	3.3	4.4	Apr-----	2.6	3.9	Apr-----	3.1	4.2
1916-1920-----	7.8	8.8	May-----	3.2	4.3	May-----	2.6	3.7	May-----	3.3	4.4
1921-1925-----	5.3	6.7	June-----	3.3	4.4	June-----	2.8	3.7	June-----	3.4	4.5
1926-1930-----	4.1	5.3	July-----	3.5	4.6	July-----	3.0	4.0	July-----	3.5	4.6
1928-----	4.2	5.6	Aug-----	3.5	4.6	Aug-----	3.2	4.1	Aug-----	3.5	4.6
1929-----	3.8	5.1	Sept-----	3.4	4.5	Sept-----	3.1	4.2	Sept-----	3.6	4.6
1930-----	3.4	4.7	Oct-----	3.4	4.5	Oct-----	3.2	4.1	Oct-----	3.3	4.5
1931-----	3.3	4.4	Nov-----	3.4	4.4	Nov-----	3.0	4.2	Nov-----	3.2	4.4
1932-----	2.9	4.0	Dec-----	3.2	4.2	Dec-----	2.9	4.1	Dec-----	3.2	4.3
1933-----	3.2	4.3									

Sources: Table 608, Bureau of Agricultural Economics, Department of Agriculture, Table 609, 1875 to 1909, computed from production as reported by the Department of Agriculture, and exports, imports, and shipments as reported by the Bureau of Foreign and Domestic Commerce, thereafter, based on data in Tables 607 and 608; Table 610, Bureau of Labor Statistics, Department of Labor.

No. 611.—SUGAR BEETS AND BEET SUGAR: PRODUCTION

NOTE.—Prior to 1924 acreage and production of beets include a small quantity produced in Canada for United States factories. The year shown is that in which beets were grown, sugar-making campaign extends into succeeding year. "Per cent of sucrose in beets" is based on analysis, "Per cent extracted" is per cent of total weight of beets actually recovered by factories. United States totals include data for States not shown. Tons are of 2,000 pounds.

Yearly average or year and State	Beets produced for sugar					Sugar manufacture				
	Acres harvested	Crop ¹ (1,000 tons)	Tons per acre	Price per ton (dollars)	Farm value (1,000 dollars)	Number of factories	Beets used (1,000 tons)	Sugar made (1,000 tons)	Per cent of sucrose—	
									In beets	Ex-tracted
United States.										
1901-1905.....	227,841	2,079	9 22	4 89	10,166	45	2,079	240	15.03	11.50
1906-1910.....	386,052	3,910	10 13	5 18	20,254	63	3,910	479	15.78	12 27
1911-1915.....	541,000	5,738	10 66	5 63	32,318	67	5,477	724	16.17	13 18
1916-1920.....	698,000	6,623	9 50	9 38	63,314	88	6,200	832	15.85	13.41
1921-1925.....	693,000	6,972	10 14	7 52	52,040	88	6,606	916	15.74	13.86
1926-1930.....	701,000	7,718	11 00	7 32	56,480	80	7,402	1,055	15 71	14.23
1923.....	657,000	7,006	10 7	8 99	62,965	89	6,585	881	15.30	13 37
1924.....	816,000	7,508	9 2	7 95	59,689	90	7,075	1,090	17.19	15 41
1925.....	648,000	7,381	11 4	6 39	47,137	88	6,993	913	14.86	13 06
1926.....	677,000	7,223	10 7	7 61	54,964	78	6,782	897	14 94	13 23
1927.....	721,000	7,753	10 8	7 67	59,455	83	7,443	1,093	16.11	14 68
1928.....	644,000	7,101	11 0	7 11	50,477	82	6,880	1,061	16 73	15 42
1929.....	685,000	7,315	10 6	7 03	51,805	79	7,117	1,018	15 64	14 22
1930.....	775,000	9,195	11 9	7 14	65,697	88	8,789	1,208	15 22	13 70
1931.....	713,000	7,908	11 1	5 94	46,948	66	7,659	1,156	16.15	14 76
1932.....	784,000	9,070	11 9	5 26	47,705	75	8,856	1,357	16 41	15 23
1933.....	983,000	11,030	11 2			84	10,778	1,642	16 61	15 23
California:										
1930.....	65,000	768	11 8	7 46	5,731	5	753	124	17.86	16 50
1931.....	89,000	1,060	11 9	7 40	9,847	6	1,045	166	17.69	15 92
1932.....	104,000	1,288	12 4	6 62	8,528	6	1,282	213	17 86	16 61
1933.....	108,000	1,618	15 0			6	1,629	270	18.02	16 60
Colorado:										
1930.....	242,000	3,312	13 7	6 91	22,873	17	3,126	407	14.10	13.02
1931.....	224,000	2,532	11 3	5 44	13,786	17	2,423	370	15.64	15 28
1932.....	156,000	1,777	11 4	4 62	8,209	17	1,781	277	15.38	15 55
1933.....	209,000	2,628	12 6			18	2,603	399	16 74	15 32
Idaho:										
1930.....	44,000	446	10 1	7 41	3,302	7	427	66	16 56	15 40
1931.....	33,000	301	9 1	6 03	1,816	5	287	46	17 25	16 04
1932.....	53,000	709	13 4	5 10	3,618	7	661	108	17.55	16.34
1933.....	75,000	837	11 2			7	777	131	18.02	16 83
Michigan										
1930.....	74,000	513	6 9	8 08	4,143	10	567	86	16 97	14 95
1931.....	58,000	581	10 0	6 33	3,675	6	600	83	15 42	13 81
1932.....	122,000	1,215	10 0	5 73	6,959	11	1,216	171	16 28	13 98
1933.....	154,000	1,203	7 8			15	1,255	170	16 10	13 56
Montana										
1930.....	45,000	572	12 7	7 32	4,191	4	522	75	15 94	14 29
1931.....	54,000	617	11 4	6 01	3,706	4	600	92	16 99	15 37
1932.....	54,000	739	13 7	5 39	3,983	4	701	108	17 12	15 41
1933.....	68,000	838	12 3			4	786	124	17 43	15 72
Nebraska										
1930.....	81,000	1,136	14 0	6 95	7,893	7	1,095	136	14.27	12 44
1931.....	65,000	891	13 7	5 46	4,858	7	872	126	15 82	14 45
1932.....	66,000	877	13 3	4 58	4,021	7	815	113	15 21	13 87
1933.....	88,000	1,067	12 1			7	956	130	15.11	13 54
Ohio:										
1930.....	31,000	286	9 2	7 75	2,220	4	223	33	15 54	13 34
1931.....	26,000	259	10 0	5 34	1,384	3	251	42	15 54	13 94
1932.....	42,000	328	7 8			4	283	38	15 80	13 56
Utah										
1930.....	44,000	553	12 6	7 00	3,874	8	517	78	16 30	15 13
1931.....	49,000	505	10 3	5 82	2,940	7	491	77	16 70	15 74
1932.....	56,000	846	15 1	4 77	4,032	7	822	128	16 42	15 57
1933.....	74,000	912	12 3			9	915	143	16 88	15 66
Wyoming										
1930.....	46,000	646	14 0	7 19	4,644	5	657	94	15.90	14 37
1931.....	49,000	552	11 3	5 71	3,153	5	532	85	16 97	15 99
1932.....	40,000	506	12 6	4 97	2,515	5	537	85	16 76	15 83
1933.....	52,000	593	11 4			5	634	104	17 56	16 39

¹ Beets used 1901 to 1912.² Four-year average³ Data can not be shown without disclosing operations of an individual factory

Source Bureau of Agricultural Economics, Department of Agriculture.

No. 612.—LOUISIANA SUGAR CANE, CANE SUGAR, AND MOLASSES

NOTE.—Louisiana produces practically all the cane sugar produced in the United States In other States cane is largely used for making sirup (see Table 615) Tons are of 2,000 pounds

Yearly average or year	Total acres of cane harvested	Cane used for sugar			Factories in operation	Sugar made		Molasses made	
		Acres harvested	Crop (1,000 tons)	Yield per acre (tons)		Amount (1,000 tons)	Per ton of cane (pounds)	Amount (1,000 gallons)	Per ton of sugar (gallons)
1911-1915.....	-----	230,000	3,496	15.2	150	236	135	20,666	88
1916-1920.....	-----	212,000	3,286	15.5	133	224	136	22,956	103
1921-1925.....	300,000	207,000	2,844	13.7	103	202	142	18,247	90
1926-1930.....	166,000	124,000	1,833	14.8	56	127	139	12,656	100
1924.....	302,000	162,000	1,228	7.6	82	88	142	9,590	109
1925.....	264,000	189,000	2,644	14.0	91	139	105	17,783	128
1926.....	197,000	128,000	864	6.7	54	47	109	6,614	141
1927.....	106,000	72,000	962	13.4	46	71	148	6,624	93
1928.....	152,000	115,000	1,860	16.2	55	132	142	13,535	103
1929.....	186,000	155,000	2,918	18.8	65	200	137	19,619	98
1930.....	187,000	160,000	2,559	17.1	61	184	144	16,887	92
1931.....	184,000	148,000	2,232	15.1	59	157	141	14,645	93
1932.....	223,000	186,000	2,886	15.5	62	223	155	16,445	74
1933.....	214,000	172,000	2,610	15.2	59	205	157	16,498	80

SUGAR MADE (1,000 TONS)

1906.....	258	1911.....	373	1916.....	304	1921.....	324
1907.....	381	1912.....	154	1917.....	244	1922.....	295
1908.....	398	1913.....	293	1918.....	281	1923.....	162
1909.....	364	1914.....	243	1919.....	121	1924.....	88
1910.....	343	1915.....	138	1920.....	169	1925.....	139

No. 613.—HAWAIIAN SUGAR CANE AND CANE SUGAR

NOTE.—Figures are for years ending September 30. All tons are of 2,000 pounds

Yearly average or year	Total acres in cane	Cane used for sugar			Sugar made	
		Acres harvested	Crop (1,000 tons)	Yield per acre (tons) ¹	Amount (1,000 tons)	Per cent of cane used
1913-1915.....	-----	113,500	4,854	43	602	12.39
1916-1920.....	251,206	118,584	4,830	41	594	12.30
1921-1925.....	234,700	116,820	5,253	45	622	11.84
1926-1930.....	239,194	128,271	7,299	57	861	11.80
1924.....	232,000	111,000	5,661	51	691	12.21
1925.....	241,000	122,000	6,297	52	769	12.21
1926.....	237,774	122,309	6,496	53	787	12.12
1927.....	234,809	124,542	6,992	56	811	11.60
1928.....	240,769	131,534	7,707	59	897	11.64
1929.....	239,858	129,131	7,447	58	899	12.07
1930.....	242,761	133,840	7,853	59	912	11.62
1931.....	251,533	137,037	8,485	62	989	11.65
1932.....	251,876	139,744	8,865	63	1,025	11.56
1933.....	254,563	144,959	8,567	59	1,036	12.09

SUGAR MADE (1,000 TONS)

1906.....	429	1911.....	567	1916.....	593	1921.....	522
1907.....	440	1912.....	595	1917.....	645	1922.....	592
1908.....	521	1913.....	547	1918.....	577	1923.....	537
1909.....	535	1914.....	612	1919.....	600	1924.....	691
1910.....	517	1915.....	646	1920.....	556	1925.....	769

¹ Age of cane equals 18 to 22 months of growth

Sources: Table 612 and Table 613 prior to 1926, Bureau of Agricultural Economics, Department of Agriculture; Table 613, beginning 1926, Hawaiian Sugar Planters Association.

No. 614.—MAPLE SUGAR AND SIRUP: PRODUCTION BY STATES

State and year	Trees tapped	Sugar made	Sirup made	Total product in terms of sugar ¹	State and year	Trees tapped	Sugar made	Sirup made	Total product in terms of sugar ¹
CENSUS RETURNS	Thou- sands	1,000 pounds	1,000 gallons	1,000 pounds	New Hampshire	Thou- sands	1,000 pounds	1,000 gallons	1,000 pounds
United States					1931	390	78	56	526
1859	40,120	1,598	52,901		1932	413	100	83	764
1869	28,444	921	35,812		1933 ³	388	46	50	446
1879	36,576	1,796	50,944		Vermont				
1889	32,953	2,258	51,020		1931	5,194	830	578	5,454
1899	11,929	2,057	28,382		1932	5,454	878	981	8,726
1909	18,900	14,024	4,106	46,912	1933 ³	5,290	554	625	5,554
1919	17,487	9,692	3,508	37,754	Massachusetts				
1929	(?)	1,341	2,341	20,070	1931	252	34	43	378
DEPARTMENT OF AGRICULTURE					1932	257	71	65	591
Total (10 States)					1933 ³	236	66	36	354
1923	14,178	4,656	3,262	30,752	New York				
1924	14,193	4,006	3,574	32,688	1931	3,229	324	577	4,940
1925	14,070	3,238	2,817	25,774	1932	3,132	341	695	5,901
1926	13,948	3,585	3,504	31,617	1933 ³	3,184	388	597	5,164
1927	13,751	3,183	3,429	30,615	Pennsylvania				
1928	13,489	2,189	2,782	24,445	1931	722	161	234	2,033
1929	12,858	1,862	2,361	20,250	1932	664	142	161	1,454
1930	13,062	2,370	3,641	31,498	1933 ³	664	108	209	1,780
1931	12,138	1,646	2,213	19,350	Ohio				
1932	12,091	1,623	2,412	20,919	1931	1,256	96	440	3,616
1933 ³	12,076	1,288	2,186	18,776	1932	1,105	19	220	1,779
Maine					1933 ³	1,216	32	413	3,336
1931	255	9	26	217	Michigan				
1932	260	9	33	273	1931	508	73	156	1,321
1933 ³	255	10	29	242	1932	467	33	98	817
Maryland:					1933 ³	490	35	140	1,155
1931	59	30	27	246	Wisconsin				
1932	58	22	18	166	1931	273	11	76	619
1933 ³	58	25	25	225	1932	281	8	55	448
					1933 ³	295	24	62	520

¹ 1 gallon of sirup taken as equivalent to 8 pounds of sugar² Not called for on schedule³ Preliminary.

No. 615.—SUGAR CANE AND SIRUP IN SOUTHERN STATES

NOTE.—Sorghum, sometimes confused with sugar cane, is not included. For molasses, a by-product of sugar refineries and not included in this table, see Table 612

State and year	Cane harvested for sirup	Sirup produced	State and year	Cane harvested for sirup	Sirup produced
All States	Acres	1,000 gallons	Alabama	Acres	1,000 gallons
1926	115,000	17,011	1931	20,000	1,860
1927	103,000	16,612	1932	22,000	2,640
1928	101,000	18,234	1933	28,000	3,220
1929	105,000	19,335	Mississippi		
1930	104,000	16,834	1931	14,000	2,100
1931	103,000	14,359	1932	17,000	2,822
1932	110,000	16,985	1933	19,000	3,173
1933	127,000	19,717	Louisiana		
South Carolina			1931	19,000	4,545
1931	5,000	400	1932	16,000	3,650
1932	6,000	492	1933	21,000	5,468
1933	6,000	630	Texas		
Georgia			1931	7,000	1,029
1931	28,000	2,800	1932	7,000	1,029
1932	31,000	4,650	1933	9,000	1,476
1933	33,000	4,125	Arkansas		
Florida			1931	1,000	140
1931	9,000	1,485	1932	1,000	102
1932	10,000	1,600	1933	1,000	135
1933	10,000	1,500			

Source of Tables 614 and 615 Bureau of Agricultural Economics, Department of Agriculture, except Census Returns, Table 614, which are from the Bureau of the Census, Department of Commerce.

No. 616.—COTTONSEED AND COTTONSEED PRODUCTS: PRODUCTION, VALUE, AND EXPORTS
 NOTE.—Cottonseed production relates to the preceding crop year; other data relate to 12 months ended July 31, except exports, which are for 12 months ended June 30 of year indicated in stub. Tons are of 2,000 pounds

Yearly average or year ended July 31 or June 30—	Cottonseed		Production						Value						Value per unit				Exports	
	Pro- duc- tion	Used in mills	Oil 1,000 pounds	Meal and cake 1,000 tons	Hulls 1,000 tons	Linters Bales 1	All products 1,000 dollars	Oil 1,000 dollars	Meal and cake 1,000 dollars	Hulls 1,000 dollars	Linters 1,000 dollars	Oil Cents per lb.	Meal and cake Dollars per ton	Hulls Dollars per ton	Linters Cents per lb. 1	Oil 1,000 pounds	Meal and cake 1,000 tons			
1881-1890.....	563	3,018	165,810	193	1,169	114,544	25,164	7,864	4,300	3,100	1,800	4.7	22.25	9.73	3.1	34,038	1,388			
1891-1900.....	3,280	1,625	483,015	570	1,382	107,327	65,148	34,038	11,733	2,402	2,856	3.8	20.19	3.01	3.1	191,157	548			
1901-1905.....	6,139	3,085	890,745	1,130	1,382	107,327	65,148	34,038	22,824	7,242	3,614	4.1	24.07	6.06	2.4	311,463	578			
1906-1910.....	6,238	3,296	900,450	1,339	1,195	122,094	83,424	40,432	32,236	10,126	6,526	5.1	25.86	6.53	2.1	230,311	551			
1911-1915.....	6,363	3,487	1,446,940	2,162	1,527	165,225	143,766	75,334	61,580	10,126	6,526	4.8	23.18	6.58	2.1	172,877	301			
1916-1920.....	5,116	4,285	1,302,500	2,041	1,083	943,474	312,781	179,249	92,191	14,845	26,406	13.8	36.97	10.66	4.7	106,371	238			
1921-1925.....	4,878	3,646	1,125,196	1,654	1,082	578,394	177,947	91,147	81,514	11,539	14,120	8.1	35.97	13.68	4.7	106,371	238			
1926-1930.....	6,784	5,319	1,631,367	2,409	1,495	1,117,754	247,765	132,413	81,514	11,534	22,544	8.1	33.94	7.55	8.9	45,762	328			
1931.....	5,971	4,069	1,300,133	1,788	1,256	422,226	156,513	84,650	58,298	10,059	3,306	6.5	32.64	8.00	1.6	283,298	227			
1932.....	3,531	3,003	930,475	1,355	937	333,547	136,974	71,508	49,898	8,049	6,019	7.7	36.84	9.55	3.3	91,015	269			
1933.....	4,338	3,242	1,002,922	1,487	944	584,177	173,254	84,818	59,037	12,200	17,199	8.6	39.70	12.93	6.6	30,418	125			
1934.....	4,602	3,308	979,617	1,518	941	642,348	182,137	88,063	59,300	12,737	22,007	9.0	39.06	13.54	6.6	31,281	143			
1935.....	6,051	4,605	1,408,781	2,128	1,331	850,694	240,855	126,665	79,173	13,749	23,218	8.6	31.30	8.17	4.2	53,261	333			
1936.....	7,150	5,558	1,617,015	2,597	1,547	1,068,919	256,027	138,652	81,508	12,649	23,218	7.5	25.52	7.57	2.9	67,580	495			
1937.....	6,308	5,240	1,897,010	2,840	1,854	1,101,019	240,924	142,242	72,476	8,882	16,064	8.3	39.75	9.39	4.3	24,531	286			
1938.....	7,083	6,034	1,476,609	2,993	1,320	977,870	247,827	132,372	80,582	9,995	24,878	8.3	39.75	8.74	3.3	31,983	170			
1939.....	6,435	4,705	1,694,131	2,232	1,368	1,234,287	265,247	135,905	82,296	12,842	27,793	7.3	36.87	8.74	3.3	31,983	170			
1940.....	6,390	5,016	1,572,322	2,232	1,364	1,195,676	223,440	114,892	82,296	12,842	27,793	7.3	36.87	8.74	3.3	31,983	170			
1941.....	6,191	4,715	1,441,882	2,165	1,304	966,177	193,704	91,633	58,623	10,474	8,960	6.4	27.08	8.04	1.8	26,353	44			
1942.....	7,602	5,328	1,694,123	2,401	1,511	1,028,851	102,548	57,646	58,623	10,474	8,960	3.4	13.77	3.47	1.3	41,088	215			
1943.....	5,782	4,021	1,445,031	2,093	1,312	879,262	87,313	47,234	29,467	4,681	5,931	3.3	14.08	3.57	1.3	44,427	151			
Alabama.....	421	272	87,944	118	82	48,479	5,493	2,940	1,859	390	304	3.4	15.75	4.76	1.3	---	---			
Arizona.....	31	35	11,183	19	10	6,007	736	2,443	1,277	60	56	3.1	18.47	6.00	1.6	---	---			
Arkansas.....	590	355	113,625	151	103	85,667	6,629	3,772	1,962	308	827	3.3	12.90	2.99	1.3	---	---			
California.....	58	58	18,183	26	14	11,243	1,364	963	694	97	120	3.3	20.88	6.93	2.0	---	---			
Georgia.....	379	353	112,630	159	100	64,242	7,494	3,953	2,519	612	410	3.5	15.84	4.15	1.3	---	---			
Louisiana.....	271	184	57,780	82	53	38,846	3,680	1,953	2,519	220	294	3.4	15.84	4.15	1.3	---	---			
Mississippi.....	524	535	177,338	227	153	104,435	11,184	6,297	3,195	449	1,243	3.5	16.07	2.93	1.7	---	---			
North Carolina.....	294	242	73,379	121	57	53,065	6,051	2,501	1,945	229	316	3.0	13.74	3.14	1.1	---	---			
Oklahoma.....	482	365	111,170	175	94	62,877	6,336	3,291	2,404	295	346	3.3	13.75	5.43	1.4	---	---			
South Carolina.....	318	234	71,967	113	56	52,734	4,852	2,397	1,777	304	374	3.6	13.56	2.11	1.1	---	---			
Tennessee.....	213	376	119,237	160	108	89,588	2,397	1,364	1,008	253	620	3.1	12.92	3.13	1.2	---	---			
Texas.....	1,538	1,077	474,547	720	464	210,482	7,175	4,257	2,170	228	1,453	3.1	14.88	2.12	1.0	---	---			
All other States.....	2,007	1,194	17,292	25	17	10,787	1,006	541	372	35	57	3.1	14.88	2.12	1.0	---	---			

¹ Of 500 pounds net.

² Based on gross weight of table.

³ Figures for 1900.

⁴ Six-year average, 1895-1900.

Source: Bureau of the Census, Department of Commerce.

No. 617.—COTTON: PRODUCTION, CONSUMPTION, EXPORTS, IMPORTS, AND PRICES

NOTE.—Production, consumption, and exports beginning 1914 are in thousands of running bales (counting round as half bales); these items prior to 1914, and net imports, all years, are in thousands of 500-pound bales, gross weight. Production statistics relate to the growth year indicated in the stub. Other statistics for the most part relate to the 12-month period roughly corresponding to the marketing of the crop, there have been minor variations from time to time in the periods covered, but consumption, exports, and imports, beginning 1914, and prices, beginning 1910, are for the 12 months ended July 31 following the year indicated in the stub. Prices for 1902 to 1909 represent the price of the average grade marketed in New Orleans up to April 1 of the following year, from 1910 to date the average price on the farm of all lint cotton throughout the country

COTTON (EXCLUDING LINTERS) ¹

Year or yearly average (growth year)	Produc- tion	Con- sump- tion	Domes- tic ex- ports	Net imports	Year (growth year)	Produc- tion	Con- sump- tion	Domes- tic ex- ports	Net imports
1790-----	3	11	(²)	1	1911-----	16,250	5,400	11,081	229
1800-----	73	19	32	9	1912-----	14,313	5,867	9,199	225
1810-----	178	36	124	(²)	1913-----	14,795	5,943	9,256	266
1820-----	335	100	250	(²)	1914-----	15,906	5,597	8,323	364
					1915-----	11,068	6,398	5,896	421
1830-----	732	130	554	(²)					
1840-----	1,348	245	1,060	1	1916-----	11,364	6,789	5,300	288
1850-----	2,136	423	1,854	(²)	1917-----	11,248	6,566	4,288	217
1860-----	3,841	842	615		1918-----	11,906	6,766	5,592	197
1870-----	4,025	1,027	2,923	2	1919-----	11,326	6,420	6,545	683
					1920-----	13,271	4,893	5,745	211
1866-1875-----	3,104	1,007	2,164	3					
1876-1885-----	5,462	1,708	3,721	6	1921-----	7,978	5,910	6,184	352
1886-1895-----	7,636	2,473	5,174	52	1922-----	9,729	6,666	4,823	450
1896-1900-----	10,151	3,455	6,907	115	1923-----	10,171	5,681	5,656	272
1901-1905-----	11,007	4,330	7,210	141	1924-----	13,639	6,193	8,005	303
					1925-----	16,123	6,456	8,051	314
1906-1910-----	12,176	4,828	8,002	178					
1911-1915-----	14,466	5,841	8,751	301	1926-----	17,755	7,190	10,927	382
1916-1920-----	11,823	6,075	5,494	319	1927-----	12,783	6,834	7,640	321
1921-1925-----	11,528	6,181	6,544	338	1928-----	14,267	7,091	8,044	442
1926-1930-----	14,628	6,497	7,992	322	1929-----	14,548	8,106	6,690	368
					1930-----	13,756	5,263	6,760	99
1906-----	13,595	4,974	8,825	203					
1907-----	11,375	4,493	7,780	141	1931-----	16,629	4,866	8,708	107
1908-----	13,587	5,199	8,890	165	1932-----	12,710	6,137	8,419	124
1909-----	10,315	4,759	6,492	151	1933-----	12,664	5,700	7,534	137
1910-----	12,006	4,713	8,026	231					

LINTERS

1914-----	832	412	222	-----	1924-----	858	659	191	-----
1915-----	945	881	295	-----	1925-----	1,044	804	104	-----
1916-----	1,300	870	439	-----	1926-----	1,042	806	257	-----
1917-----	1,096	1,119	188	-----	1927-----	875	780	193	-----
1918-----	910	458	72	-----	1928-----	1,086	879	186	-----
1919-----	595	342	53	-----	1929-----	1,038	805	118	-----
1920-----	429	516	51	-----	1930-----	824	714	112	-----
1921-----	382	639	132	-----	1931-----	876	637	116	-----
1922-----	591	646	41	-----	1932-----	741	761	184	-----
1923-----	640	537	116	-----	1933-----	801	767	169	-----

AVERAGE PRICE, UPLAND LINT COTTON, CENTS PER POUND ²

1790-----	26 0	1906-1910-----	11.8	1914-----	7.3	1930-----	9.5
1800-----	44 0	1911-1915-----	10.4	1915-----	11.2	1931-----	5.7
1810-----	15 5	1916-1920-----	24.9			1932-----	6.5
1820-----	14 3	1921-1925-----	22.2	1916-----	17.3	1933-----	9.7
				1917-----	27.1		
1830-----	9 7	1926-1930-----	15.4	1918-----	28.8	1933:-----	
1840-----	9 5	1903-----	12.2	1919-----	35.4	August-----	8.8
1850-----	12 1	1904-----	8.7	1920-----	15.8	September-----	8.8
1860-----	13 0	1905-----	10.9			October-----	9.0
1870-----	17 0			1921-----	16.9	November-----	9.6
		1906-----	10.0	1922-----	22.9	December-----	9.6
1871-1875-----	16 7	1907-----	11.5	1923-----	28.7	1934:-----	
1876-1880-----	11 4	1908-----	9.2	1924-----	22.9	January-----	10.3
1881-1885-----	10 7	1909-----	14.3	1925-----	19.6	February-----	11.7
1886-1890-----	10 3	1910-----	14.0			March-----	11.7
1891-1895-----	7 5			1926-----	12.5	April-----	11.6
		1911-----	9.6	1927-----	20.2	May-----	11.0
1896-1900-----	6.9	1912-----	11.5	1928-----	18.0	June-----	11.6
1901-1905-----	9.6	1913-----	12.5	1929-----	16.8	July-----	12.3

¹ Production, consumption, and exports of cotton include linters prior to 1914.

² Less than 500 bales

³ See headnote.

Source. Bureau of the Census. See Bulletin 167, p. 57, of that bureau for original sources.

No. 618.—EXPORTS OF UNITED STATES COTTON (INCLUDING LINTERS)¹

Yearly average or year ²	Total value (thou- sands of dollars)	Quantity in thousands of bales, exported to ³ —											
		All coun- tries	Total Eu- rope	United King- dom	Ger- many	France	Italy	Spain	Bel- gium	Rusia ⁴	China	Japan	Can- ada
1866-1875	205,285	1,983	1,972	1,433	142	227	17	56	11	53	-----	-----	4
1876-1885	200,146	3,594	3,553	2,311	336	421	54	125	28	202	-----	-----	21
1886-1895	227,678	5,121	5,020	2,951	844	536	162	192	120	148	-----	5	64
1896-1900	220,557	6,465	6,163	2,968	1,523	715	367	239	122	86	5	167	96
1901-1905	334,256	7,097	6,769	3,096	1,812	778	431	251	139	121	3	158	113
1906-1910	437,582	7,850	7,510	3,243	2,180	956	486	252	130	99	(⁵)	183	133
1911-1915	537,044	9,318	8,706	3,504	2,196	1,031	648	327	164	91	16	363	165
1916-1920	765,515	9,920	4,972	2,796	7,421	795	614	310	141	60	9	661	211
1921-1925	764,101	6,386	5,405	1,863	1,390	764	584	272	186	138	54	713	189
1926-1930	828,920	8,774	6,984	1,937	2,149	946	758	318	228	335	193	1,244	255
1920-----	1,381,708	7,087	5,977	3,445	421	596	617	275	210	-----	11	876	217
1921-----	600,186	5,623	4,775	1,787	1,152	591	558	261	166	-----	47	555	169
1922-----	596,379	6,718	5,476	1,807	1,617	820	469	342	186	-----	134	895	201
1923-----	658,983	5,253	4,314	1,403	946	704	572	250	186	7	23	679	217
1924-----	903,975	5,899	5,129	1,695	1,340	751	564	216	169	120	28	584	152
1925-----	1,080,980	8,439	7,332	2,623	1,892	951	756	290	224	286	38	850	207
1926-----	922,737	8,051	6,546	2,257	1,642	903	745	306	200	233	114	1,125	241
1927-----	855,788	10,927	8,468	2,530	2,738	999	779	339	274	501	272	1,616	260
1928-----	820,105	7,542	6,170	1,411	1,988	865	687	305	202	424	115	959	223
1929-----	847,409	8,044	6,212	1,831	1,797	775	717	273	202	318	236	1,309	254
1930-----	657,727	6,090	5,242	1,256	1,687	812	652	260	170	129	226	1,020	182
1931-----	420,972	6,760	4,793	1,054	1,640	914	477	251	138	30	420	1,228	190
1932-----	339,940	8,708	4,864	1,344	1,570	463	649	306	136	-----	1,112	2,294	187
1933-----	342,699	8,419	6,078	1,492	1,849	864	804	313	183	43	301	1,743	176

¹ Linters excluded beginning 1926² Years ended June 30 prior to 1926; July 31 thereafter.³ In 500-pound bales prior to 1926; running bales thereafter.⁴ Includes Finland, Estonia, Latvia, and Poland prior to 1919.⁵ Average, 1891-1895.⁶ Less than 500⁷ One year only, 1920⁸ Average for 1919 and 1920.⁹ Average, 1918-1920.¹⁰ Average, 1923-1925.

No. 619.—COFFEE: IMPORTS AND REEXPORTS

Note.—Imports and reexports in thousands of pounds. Years ended Sept. 30, 1930 and 1940 and June 30, 1950 to 1918; thereafter, calendar years. Imports represent imports from foreign countries and from territories and possessions into continental United States, and reexports represent exports from continental United States to foreign countries and outlying territories and possessions. Figures represent mostly green coffee

Yearly average or year	Imports	Reexports	Net imports per capita, pounds	Average import price per pound, cents	Year	Imports	Reexports	Net imports per capita, pounds	Average import price per pound, cents
1830	51,488	13,125	2.99	8.2	1904	998,677	35,102	11.67	7.0
1840	94,996	8,698	5.04	9.0	1905	1,046,028	37,087	11.98	8.1
1850	145,273	15,481	5.58	7.7	1906	853,800	19,133	9.72	8.6
1861-1860	203,190	14,710	6.78	9.0	1907	986,596	11,627	11.15	7.9
1861-1870	173,290	8,229	4.66	10.8	1908	892,092	17,111	9.82	7.6
1871-1880	331,925	7,911	7.19	14.7	1909	1,051,750	15,188	11.43	7.6
1881-1890	513,039	24,725	8.52	10.8	1910	878,984	13,569	9.33	8.0
1891-1895	585,270	8,792	8.61	16.8	1911	875,322	18,701	9.29	10.4
1896-1900	701,715	21,819	10.07	8.9	1912	887,748	9,200	9.26	13.3
1901-1905	998,464	40,400	11.65	7.1	1913	866,054	7,135	8.90	13.8
1906-1910	931,644	15,325	10.69	7.9	1914	1,006,362	13,811	10.14	11.1
1911-1915	952,906	21,494	9.65	11.5	1915	1,126,042	70,953	10.62	9.6
1916-1920 ¹	1,227,523	67,347	11.20	13.5	1916	1,203,841	75,818	11.20	9.6
1921-1925	1,343,579	35,268	11.73	15.4	1917	1,322,059	57,503	12.38	10.1
1926-1930	1,498,291	24,222	12.30	18.9	1918	1,145,956	65,698	10.43	9.0
1888	423,466	15,083	6.75	14.3	1918 (6 mos.)	438,472	23,621	-----	10.0
1889	578,397	17,265	9.08	12.9	1919	1,341,306	93,021	11.89	19.5
1890	499,159	8,997	7.77	15.7	1920	1,299,743	84,846	11.68	19.5
1891	519,528	8,487	7.94	18.5	1921	1,345,367	41,821	12.05	10.7
1892	640,211	10,539	9.59	120.0	1922	1,248,638	35,576	11.04	12.9
1893	593,469	12,074	8.23	14.3	1923	1,412,233	31,899	12.38	13.5
1894	550,934	3,845	8.01	16.4	1924	1,423,758	39,213	12.23	17.5
1895	652,209	8,993	9.24	14.7	1925	1,287,601	27,833	10.97	22.3
1896	580,598	7,926	8.08	14.6	1926	1,495,517	26,629	12.61	21.6
1897	737,646	13,086	10.04	11.1	1927	1,444,124	24,029	12.01	18.5
1898	870,514	18,823	11.59	7.5	1928	1,460,860	19,318	12.03	21.3
1899	831,822	30,070	10.72	6.6	1929	1,486,253	16,998	12.09	20.4
1900	787,922	39,191	9.84	6.7	1930	1,604,701	34,138	12.75	13.1
1901	857,018	45,835	10.43	7.4	1931	1,749,158	19,879	13.94	10.1
1902	1,092,344	35,125	13.32	6.5	1932	1,508,019	23,074	11.90	9.1
1903	923,254	48,849	10.80	6.6	1933	1,592,006	18,859	12.52	7.9

¹ Overvalued, due to depreciation of Brazilian paper milreis. ² Average, July 1, 1915, to Dec. 31, 1920.

Source of Tables 618 and 619. Bureau of Foreign and Domestic Commerce.

No. 620.—TEA: NET IMPORTS

NOTE.—Quantity, except per capita, in thousands of pounds; value in thousands of dollars; per capita in pounds. Years ended June 30 through 1918; thereafter, calendar years. Beginning 1919, data relate to trade of continental United States only, see headnote, Table 618; prior to that time the small trade between the United States and noncontiguous territories is not included

Yearly average or year	Quantity	Value	Per capita	Yearly average or year	Quantity	Value	Per capita	Year	Quantity	Value	Per capita
1830-.....	6, 873	1, 532	0 54	1916-1920 ¹ ..	106, 988	22, 528	1. 03	1922-.....	93, 928	23, 067	0 85
1840-.....	16, 883	4, 067	. 99	1921-1925-..	92, 230	24, 658	. 83	1923-.....	102, 157	28, 860	. 92
1850-.....	28, 200	3, 982	1 21	1926-1930-..	88, 655	26, 604	. 74	1924-.....	90, 496	26, 608	. 80
1851-1860-..	21, 028	5, 361	. 76	1914-.....	90, 148	16, 599	. 92	1925-.....	99, 567	30, 957	. 87
1861-1870-..	32, 394	8, 969	. 91	1915-.....	92, 364	16, 828	. 93	1926-.....	94, 512	30, 855	. 81
1871-1880-..	59, 536	18, 550	1 32	1916-.....	109, 075	20, 442	1. 08	1927-.....	87, 896	27, 691	. 74
1881-1890-..	76, 534	15, 071	1 34	1917-.....	102, 739	19, 068	1 01	1928-.....	88, 843	26, 815	. 74
1891-1895-..	89, 675	13, 689	1 34	1918-.....	147, 379	29, 469	1. 42	1929-.....	88, 247	25, 444	. 73
1896-1900-..	86, 217	11, 357	1 17	1918 ¹	76, 365	16, 461	. 62	1930-.....	83, 773	22, 214	. 68
1901-1905-..	95, 814	13, 849	1 18	1919-.....	65, 074	15, 056	. 62	1931-.....	85, 807	18, 455	. 69
1906-1910-..	93, 595	15, 211	1 05	1920-.....	87, 801	23, 408	. 83	1932-.....	93, 857	12, 225	. 75
1911-1915-..	95, 237	17, 189	. 99	1921-.....	75, 002	13, 797	. 69	1933-.....	95, 705	13, 485	. 76

¹ Average for period July 1, 1915, to Dec 31, 1920² June 30 to Dec. 31, 1918.

No 621.—COCOA AND CHOCOLATE IMPORTS

[Quantity in thousands of pounds; value in thousands of dollars]

Yearly average or year ¹	Cocoa or cacao beans and chocolate ²		Year ¹	Cocoa or cacao beans and chocolate ²		Year ¹	Cocoa or cacao beans and chocolate ²	
	Quantity	Value		Quantity	Value		Quantity	Value
1871-1880 ¹ ---	5, 132	706	1910-.....	111, 070	11, 966	1922-.....	347, 010	32, 571
1881-1890-..	13, 504	1, 891	1911-.....	140, 970	15, 261	1923-.....	416, 818	34, 396
1891-1900-..	29, 408	4, 120	1912-.....	148, 786	16, 590	1924-.....	382, 029	30, 152
1901-1905-..	63, 600	8, 260	1913-.....	143, 510	18, 177	1925-.....	387, 108	39, 412
1906-1910-..	102, 304	13, 418	1914-.....	179, 364	21, 504	1926-.....	433, 117	44, 227
1911-1915-..	161, 473	19, 002	1915-.....	194, 734	23, 478	1927-.....	431, 049	58, 291
1916-1920-..	346, 583	45, 480	1916-.....	244, 911	34, 602	1928-.....	388, 635	49, 216
1921-1925-..	367, 907	32, 019	1917-.....	390, 838	41, 674	1929-.....	515, 571	51, 271
1926-1930-..	429, 388	47, 044	1918-.....	360, 015	37, 972	1930-.....	378, 320	32, 214
1907-.....	97, 060	14, 579	1919-.....	392, 365	53, 342	1931-.....	420, 260	23, 853
1908-.....	86, 605	15, 284	1920-.....	344, 986	54, 811	1932-.....	483, 490	20, 969
1909-.....	132, 661	15, 562	1921-.....	306, 668	23, 566	1933-.....	478, 861	19, 108

¹ Fiscal years through 1915, calendar years thereafter.² Includes prepared except confectionery³ Includes 3-year average for quantity of chocolate and 9-year average for its value.

No. 622.—SILK AND SILK MANUFACTURES: FOREIGN TRADE

[Quantity in thousands of pounds; value, except average price per pound, in thousands of dollars]

Yearly average or year ¹	Unmanufactured silk, imports			Silk manufactures, value		Year ¹	Unmanufactured silk, imports			Silk manufactures, value	
	Quantity	Value	Average price per pound	Imports ²	Exports		Quantity	Value	Average price per pound	Imports ²	Exports
1871-1880-..	\$1, 340	\$6, 390	\$4 77	27, 063	53	1916-.....	40, 872	149, 785	\$3 66	37, 110	6, 363
1881-1890-..	5, 328	16, 775	3 15	34, 162	83	1917-.....	43, 428	189, 753	4 37	39, 763	8, 608
1891-1900-..	9, 259	26, 843	2 90	29, 776	268	1918-.....	48, 721	194, 199	3 99	28, 569	17, 982
1901-1905-..	15, 798	45, 968	2 91	32, 215	425	1919-.....	55, 522	341, 887	6 16	54, 746	23, 903
1906-1910-..	20, 281	67, 414	3 32	33, 725	835	1920-.....	59, 660	301, 038	7 59	75, 419	26, 821
1911-1915-..	30, 190	82, 703	2 74	28, 306	2, 210	1921-.....	52, 382	264, 723	5 06	48, 276	9, 672
1916-1920-..	45, 641	235, 332	5 16	47, 121	16, 735	1922-.....	58, 467	371, 629	6 36	37, 413	11, 824
1921-1925-..	62, 030	354, 287	5 74	40, 941	12, 992	1923-.....	61, 954	401, 655	6 48	44, 597	11, 136
1926-1930-..	86, 458	374, 715	4 33	36, 383	17, 293	1924-.....	60, 603	335, 041	5 53	37, 699	14, 148
1907-.....	18, 744	71, 412	3 81	38, 903	708	1925-.....	76, 795	408, 386	5 32	36, 719	18, 182
1908-.....	16, 662	64, 547	3 87	32, 968	770	1926-.....	77, 666	402, 676	5 18	40, 570	17, 788
1909-.....	25, 188	79, 904	3 17	30, 719	926	1927-.....	86, 344	399, 088	4 62	42, 234	15, 298
1910-.....	23, 457	67, 130	2 86	32, 898	1, 162	1928-.....	88, 269	373, 331	4 23	41, 388	18, 648
1911-.....	26, 666	74, 998	2 81	28, 864	1, 569	1929-.....	98, 016	432, 340	4 41	39, 037	20, 388
1912-.....	26, 585	69, 542	2 62	24, 561	2, 009	1930-.....	81, 994	266, 138	3 25	18, 687	14, 342
1913-.....	32, 102	84, 915	2 62	27, 596	2, 401	1931-.....	89, 446	192, 288	2 15	16, 625	9, 563
1914-.....	34, 546	100, 930	2 92	35, 458	2, 316	1932-.....	77, 586	114, 325	1 47	5, 933	4, 547
1915-.....	31, 053	83, 131	2 68	25, 050	2, 754	1933-.....	73, 005	103, 595	1 42	6, 283	4, 878

¹ Fiscal years through 1915; calendar thereafter² Includes artificial silk prior to 1911³ Raw silk.

Source of Tables 620, 621, and 622: Bureau of Foreign and Domestic Commerce.

No. 623.—RUBBER: WORLD PRODUCTION AND UNITED STATES IMPORTS

NOTE.—Figures include guayule. Value of 489 imports of rubber (excluding guayule beginning 1911) are shown in Table 489. Tons are of 2,240 pounds

Year	World production			United States				Average price per pound, New York	
	Total	Plan- ta- tion (Middle East)	Wild (tropical America and Africa)	Imports	Reex- ports	Retained		Fine para	Plan- ta- tion, ribbed, smoked sheet
						Amount	Share of world pro- duc- tion		
	<i>Long tons</i>	<i>Long tons</i>	<i>Long tons</i>	<i>Long tons</i>	<i>Long tons</i>	<i>Long tons</i>	<i>Per cent</i>	<i>Dollars</i>	<i>Dollars</i>
1909.....	73,756	3,386	70,370	41,950	2,156	39,794	54 0	1 481	.....
1910.....	93,950	10,916	83,034	45,003	2,749	42,254	45 0	1 908	2 006
1911.....	94,055	17,501	76,554	44,424	2,523	41,901	44.6	1 110	1 413
1912.....	114,276	33,306	80,970	58,435	2,456	55,979	49.0	1 052	1 216
1913.....	120,123	53,644	66,479	53,906	1,881	52,025	43 3	.807	820
1914.....	123,173	74,587	48,586	64,884	2,618	62,266	50 6	.616	653
1915.....	170,826	116,370	54,456	101,093	2,082	99,011	58 0	.557	657
1916.....	214,089	161,842	52,247	121,709	4,098	117,611	54 9	.669	725
1917.....	278,140	221,452	56,688	183,255	4,000	179,255	64 4	.648	.722
1918.....	219,684	181,061	38,623	146,132	2,746	143,386	65.3	.649	.602
1919.....	399,731	348,990	50,741	240,689	2,282	238,407	59.6	.483	.485
1920.....	342,033	305,106	36,927	253,680	4,160	249,520	73 0	.333	350
1921.....	301,512	277,516	23,996	185,452	5,716	179,736	59 6	.182	165
1922.....	406,394	379,520	26,874	301,203	4,809	296,394	72 9	.183	.173
1923.....	408,641	380,058	28,583	310,299	8,772	301,527	73 8	.248	307
1924.....	425,991	394,037	31,954	329,322	10,309	319,013	74 9	.212	.264
1925.....	528,485	488,825	39,660	400,423	14,827	385,596	73 0	.569	730
1926.....	624,312	583,210	41,102	417,643	17,671	399,972	64 1	.380	.487
1927.....	615,255	570,824	44,431	431,246	27,775	403,471	65 6	.268	.381
1928.....	662,341	630,522	31,819	439,742	32,159	407,573	61 5	.186	.226
1929.....	863,558	835,543	28,015	565,087	36,485	528,602	61.2	(1)	.206
1930.....	817,731	797,731	20,000	487,627	30,205	457,422	55.9	(1)	.119
1931.....	805,879	790,464	15,415	501,787	25,608	476,179	59.1	(1)	.062
1932.....	707,500	699,290	8,210	414,668	20,937	393,731	55.7	(1)	.035
1933.....	852,962	840,342	12,620	418,902	20,537	398,365	46.7	(1)	.060

¹ Discontinued.

Source: Bureau of Foreign and Domestic Commerce (compiled from various original sources); prices, Bureau of Labor Statistics, Department of Labor, except plantation 1910 to 1914, from U. S. Rubber Co.

No. 624.—SPRING AND WINTER WHEAT: ACREAGE AND PRODUCTION

[Acreage in thousands and production in thousands of bushels (number of pounds to a bushel, 60)]

Year	Winter wheat				Spring wheat (including durum)		
	Acreage		Produc- tion	Yield per acre (bushels)	Acreage harvested	Produc- tion	Yield per acre (bushels)
	Sown ¹	Har- vested					
1916.....	39,245	34,709	480,553	13 8	17,607	155,765	8.8
1917.....	38,359	27,257	412,901	15.1	17,832	228,754	12.5
1918.....	43,125	37,130	565,069	15.2	22,051	356,339	16.2
1919.....	61,391	50,404	748,460	14 8	23,996	203,637	8 7
1920.....	45,505	40,409	613,227	15 2	21,249	230,050	10 5
1921.....	45,479	43,160	602,793	14 0	21,406	216,171	10 1
1922.....	47,415	41,649	571,459	13.7	19,748	275,190	13 9
1923.....	45,408	38,712	555,299	14 3	18,208	204,183	11 2
1924.....	38,635	35,415	571,558	16 1	17,045	268,533	15.8
1925.....	40,920	31,962	401,116	12 5	20,479	268,026	13.1
1926.....	40,603	37,596	631,950	16 8	19,219	201,594	10 5
1927.....	44,134	38,195	547,666	14 3	21,433	327,067	15 3
1928.....	48,431	36,853	577,417	15 7	22,373	335,544	15 0
1929.....	43,918	41,188	586,055	14 2	22,132	236,125	10 7
1930.....	44,971	40,933	631,205	15 4	21,728	258,497	11 9
1931.....	45,240	43,080	817,962	19 0	14,023	114,259	8.1
1932.....	42,348	35,276	475,709	13 5	21,928	268,867	12.2
1933 ²	42,692	28,420	351,030	12.4	19,073	176,383	9 2

¹ Acreage sown in preceding fall.

² Preliminary.

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 625.—WHEAT: SUPPLY AND DISTRIBUTION AND PER CAPITA DISAPPEARANCE FOR FOOD, FEED, AND WASTE IN CONTINENTAL UNITED STATES

[All figures except per capita in thousands of bushels (number of pounds to a bushel, 60)]

Item	Year beginning July 1—							
	1921-1925, average	1926-1930, average	1928	1929	1930	1931	1932	1933
Supply, total.....	912, 401	1, 075, 761	1, 067, 287	1, 095, 402	1, 232, 719	1, 277, 953	1, 145, 063	939, 855
Stocks, July 1, total wheat and flour.....	108, 062	192, 647	132, 884	260, 266	323, 958	332, 846	391, 605	400, 383
On farms.....	36, 562	35, 697	19, 567	44, 979	60, 092	38, 039	92, 772	82, 187
In country elevators and mills.....	30, 991	34, 453	19, 277	41, 546	60, 166	30, 252	41, 585	64, 296
Commercial stocks ¹	25, 519	57, 844	42, 208	95, 884	109, 327	203, 967	168, 405	123, 596
In merchant mills and elevators and stored for others ²	22, 576	40, 182	31, 920	48, 279	59, 170	41, 206	71, 714	107, 052
In transit to merchant mills.....	9, 000	12, 092	10, 893	16, 237	14, 706	12, 496	10, 088	16, 038
Flour (in terms of wheat) ³	8, 676	12, 378	9, 019	13, 541	20, 497	6, 886	7, 401	7, 214
New crop.....	786, 865	866, 624	912, 961	822, 180	889, 702	932, 221	744, 076	527, 978
Imports, flour included.....	17, 473	16, 491	21, 442	12, 956	19, 059	12, 886	9, 382	11, 494
Accounted for distribution, total.....	402, 420	496, 784	511, 757	551, 682	548, 251	611, 161	527, 995	412, 434
Exports (flour included).....	207, 237	174, 765	163, 687	153, 245	131, 475	135, 798	41, 211	37, 002
Reexports and shipments to Alaska, Hawaii, and Puerto Rico (flour included).....	3, 057	3, 014	3, 227	3, 049	2, 870	3, 661	3, 479	2, 800
Seed requirements.....	81, 352	85, 210	84, 577	83, 930	81, 060	80, 098	82, 922	76, 181
Carry-over at end of year (June 30) ⁴	110, 774	233, 775	260, 266	311, 458	382, 846	391, 605	400, 383	296, 471
Disappearance for food, feed, and loss.....	509, 981	578, 998	555, 530	543, 720	684, 468	666, 792	617, 068	527, 401
Per capita (bushels).....	4 54	4 80	4 60	4 44	5 54	5 36	4 93	4 18

¹ From Bradstreet's visible supply for 1921-1922 to 1925-1926, thereafter, Bureau of Agricultural Economics

² Stocks stored for others included beginning July 1, 1930.

³ 1 year only, 1925.

⁴ From Chicago Daily Trade Bulletin.

⁵ For individual items see above.

⁶ Does not include 12,500,000 bushels stored for others included in figures shown above for stocks on hand July 1, 1930.

Source Compiled from various sources by Bureau of Agricultural Economics, Department of Agriculture.

No. 626.—VISIBLE SUPPLY OF GRAIN IN UNITED STATES: AS REPORTED ON SATURDAY NEAREST THE FIRST OF EACH MONTH

[All figures in thousands of bushels. Number of pounds to a bushel. Wheat, 60, corn, 56, oats, 32]

WHEAT¹

Year beginning July 1—	July	Aug	Sept.	Oct.	Nov.	Dec	Jan	Feb.	Mar.	Apr.	May	June
1909-1913, avg..	24, 168	28, 569	37, 458	48, 202	56, 838	63, 908	66, 229	62, 228	58, 419	53, 802	43, 857	34, 183
1921-1925, avg..	25, 519	34, 513	52, 612	64, 541	66, 786	67, 445	68, 605	62, 988	59, 746	52, 365	43, 975	35, 777
1926-1930, avg..	58, 530	89, 998	128, 003	143, 338	148, 776	146, 039	140, 028	131, 163	128, 506	125, 323	114, 385	102, 554
1929.....	95, 684	145, 504	196, 886	205, 778	209, 426	198, 557	188, 171	173, 483	165, 174	158, 176	140, 313	123, 035
1930.....	112, 756	165, 616	201, 541	219, 108	211, 600	207, 479	200, 007	202, 537	208, 102	213, 052	205, 463	206, 196
1931.....	202, 035	226, 544	251, 430	248, 303	238, 294	235, 955	226, 151	216, 033	214, 442	205, 431	185, 147	176, 647
1932.....	168, 412	179, 581	191, 225	198, 105	194, 610	181, 095	172, 813	159, 049	151, 228	140, 242	129, 129	121, 644
1933.....	128, 724	140, 898	158, 060	163, 440	156, 932	147, 308	137, 791	121, 453	111, 730	101, 158	92, 200	82, 590

CORN²

Year beginning Nov 1—	Nov	Dec	Jan	Feb.	Mar.	Apr	May	June	July	Aug	Sept	Oct.
1909-1913, avg..	3, 352	2, 088	7, 342	10, 406	15, 165	16, 233	8, 358	4, 656	7, 980	4, 583	3, 566	5, 444
1921-1925, avg..	7, 679	7, 861	17, 054	23, 496	31, 478	34, 183	26, 334	17, 732	16, 882	11, 558	8, 053	8, 853
1926-1930, avg..	10, 496	12, 913	21, 035	25, 731	32, 206	33, 848	26, 824	18, 391	15, 626	12, 812	10, 006	8, 936
1929.....	3, 237	3, 267	9, 892	15, 215	22, 667	23, 532	19, 986	10, 825	6, 825	3, 656	3, 940	4, 643
1930.....	4, 379	6, 964	16, 390	16, 757	18, 961	20, 447	13, 270	11, 412	7, 815	8, 183	8, 846	5, 362
1931.....	7, 217	9, 695	11, 967	13, 413	17, 470	21, 479	21, 418	20, 049	15, 964	10, 985	14, 649	18, 458
1932.....	26, 733	26, 081	28, 985	31, 819	34, 651	33, 772	30, 190	36, 298	46, 140	60, 731	54, 889	57, 303
1933.....	60, 276	61, 720	66, 694	65, 352	65, 666	62, 787	54, 636	43, 547	35, 351	42, 293	57, 646	60, 073

¹ Bradstreet's.

² Chicago Board of Trade.

No. 626.—VISIBLE SUPPLY OF GRAIN IN UNITED STATES, ETC.—Continued

OATS:

Year beginning Aug. 1—	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July
1909-1913, avg..	7, 185	13, 460	18, 525	19, 024	17, 969	16, 286	14, 857	14, 521	13, 869	10, 748	7, 866	7, 894
1921-1925, avg..	21, 818	34, 206	47, 372	51, 211	50, 468	51, 075	50, 611	49, 063	43, 706	30, 706	28, 498	25, 539
1926-1930, avg..	12, 849	25, 053	29, 078	29, 479	28, 128	27, 195	25, 684	24, 209	20, 163	16, 082	11, 792	9, 312
1929-----	7, 626	23, 488	26, 321	30, 155	27, 534	26, 046	24, 471	21, 673	18, 349	16, 242	12, 652	10, 875
1930-----	8, 467	23, 230	30, 495	30, 815	28, 289	28, 226	24, 565	21, 229	16, 966	13, 152	9, 439	7, 242
1931-----	7, 392	13, 849	15, 933	17, 259	16, 888	15, 643	15, 909	16, 926	14, 800	12, 713	10, 492	9, 759
1932-----	11, 269	25, 544	26, 330	26, 904	25, 369	24, 524	24, 620	24, 168	22, 609	21, 187	22, 544	27, 565
1933-----	33, 532	43, 240	47, 751	47, 067	46, 145	44, 866	43, 201	41, 032	37, 165	32, 218	25, 725	22, 075

* Chicago Board of Trade

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 627.—EXPORTS (EXCLUDING REEXPORTS) AND IMPORTS OF WHEAT, CORN, RICE, TOBACCO, AND FLAXSEED

NOTE.—Number of pounds to a bushel of wheat, 60; of corn and flaxseed, 56; to a barrel of wheat flour, 196

Yearly average or year ended June 30—	Exports (excl. reexports)			Imports—wheat and flour ¹	Year ended June 30—	Exports (excl. reexports)			Imports—wheat and flour ¹
	Wheat (grain)	Wheat flour	Wheat and flour ¹			Wheat (grain)	Wheat flour	Wheat and flour ¹	
	1,000 bushels	1,000 barrels	1,000 bushels	1,000 bushels		1,000 bushels	1,000 barrels	1,000 bushels	1,000 bushels
1852-1856-----	4, 715	2, 892	19, 173	4, 178	1918-----	34, 119	21, 880	132, 579	31, 215
1857-1861-----	12, 378	3, 318	28, 970	6, 979	1919-----	178, 583	24, 182	287, 402	11, 289
1862-1866-----	22, 530	3, 531	40, 184	4, 728	1920-----	122, 431	21, 652	219, 865	5, 496
1867-1871-----	22, 107	2, 585	35, 032	1, 818	1921-----	293, 268	16, 180	366, 077	57, 398
1872-1876-----	48, 958	3, 416	66, 037	1, 680	1922-----	208, 321	15, 797	282, 566	17, 375
1877-1881-----	107, 781	5, 376	133, 263	906	1923-----	154, 951	14, 883	224, 900	20, 031
1882-1886-----	82, 884	8, 620	121, 675	517	1924-----	78, 793	17, 253	159, 880	28, 079
1887-1891-----	64, 739	11, 287	115, 529	352	1925-----	195, 490	13, 866	260, 803	6, 201
1892-1896-----	99, 914	15, 713	170, 624	1, 634	1926-----	63, 189	9, 542	108, 036	15, 680
1897-1901-----	120, 247	17, 151	197, 427	1, 280	1927-----	156, 250	13, 355	219, 160	14, 263
1902-1906-----	70, 527	15, 444	140, 026	993	1928-----	145, 999	12, 821	206, 258	15, 734
1907-1911-----	62, 855	11, 841	116, 138	706	1929-----	103, 114	12, 888	163, 688	21, 442
1912-1916-----	129, 415	13, 185	188, 748	2, 996	1930-----	92, 175	12, 994	173, 247	12, 956
1917-1921-----	155, 646	19, 167	241, 899	26, 064	1931-----	76, 365	11, 726	131, 477	19, 058
1922-1926-----	140, 149	14, 274	207, 237	17, 473	1932-----	96, 521	8, 357	135, 799	12, 886
1927-1931-----	114, 781	12, 763	174, 766	16, 491	1933-----	20, 887	4, 324	41, 211	9, 382

Yearly average or year ended June 30—	Corn ²		Rice ⁴		Flaxseed		Unmanufactured tobacco	
	Exports ³	Imports	Exports ⁵	Imports	Exports ³	Imports	Exports ⁵	Imports
	1,000 bushels	1,000 bushels	1,000 pounds	1,000 pounds	1,000 bushels	1,000 bushels	1,000 pounds	1,000 pounds
1852-1856-----	7, 123	—	56, 515	—	11	1, 133	140, 184	5, 044
1857-1861-----	6, 558	4 ⁶ 48	65, 732	—	7	2, 730	167, 711	7, 154
1862-1866-----	12, 060	56	2, 258	70, 893	16	1, 037	140, 208	4, 132
1867-1871-----	9, 924	75	1, 857	52, 954	(⁹)	2, 018	194, 754	5, 631
1872-1876-----	38, 561	57	391	72, 526	(⁹)	2, 915	241, 848	8, 886
1877-1881-----	88, 190	42	602	62, 615	(⁹)	1, 224	266, 315	7, 871
1882-1886-----	49, 992	24	567	99, 871	(¹⁰)	1, 541	237, 942	13, 672
1887-1891-----	54, 806	15	3, 210	156, 869	11 66	1, 833	259, 248	21, 640
1892-1896-----	63, 980	8	10, 278	160, 808	1, 516	1, 182	281, 746	25, 871
1897-1901-----	192, 531	4	18, 407	165, 232	2, 660	404	304, 402	16, 958
1902-1906-----	74, 615	20	45, 978	150, 914	2, 950	234	325, 539	33, 805
1907-1911-----	56, 668	92	27, 195	215, 892	2, 313	3, 249	334, 396	42, 822
1912-1916-----	38, 774	5, 686	60, 043	248, 775	67	9, 227	408, 006	55, 556
1917-1921-----	45, 296	4, 950	299, 021	262, 514	13	14, 750	496, 924	74, 595
1922-1926-----	66, 759	1, 148	260, 030	74, 178	(¹⁰)	18, 198	496, 675	68, 470
1927-1931-----	18, 941	1, 859	315, 474	43, 734	(¹⁰)	18, 659	552, 707	78, 384
1928-----	19, 410	5, 463	309, 789	44, 102	(¹⁰)	18, 112	489, 996	81, 045
1929-----	41, 876	490	392, 54	36, 794	(¹⁰)	23, 494	565, 925	79, 284
1930-----	10, 282	496	289, 532	31, 212	(¹⁰)	19, 652	600, 181	63, 183
1931-----	3, 317	1, 747	281, 005	35, 507	(¹⁰)	7, 813	591, 034	75, 426
1932-----	3, 969	386	274, 716	20, 484	(¹⁰)	13, 850	432, 362	73, 376
1933-----	8, 775	195	110, 575	21, 668	(¹⁰)	6, 213	399, 967	59, 545

¹ Flour converted to grain at rate of 5 bushels to a barrel, 1852 to 1879, 4½, 1880 to 1921, 4 7 thereafter.² 1862-1865, no data for 1866³ Exports include meal in terms of grain (4 bushels of corn to 1 barrel of meal).⁴ Includes flour, meal, etc. ⁵ Excluding reexports. ⁶ 1858-1861, no data for 1857.⁷ 1857 only; not reported 1858-1861. ⁸ Less than 500. ⁹ 1867 and 1868; not reported 1869-1871.¹⁰ Not reported separately. ¹¹ 3-year average; not shown separately for other years.

Source: Bureau of Foreign and Domestic Commerce.

**No. 628.—YEARLY WEIGHTED AVERAGE FARM PRICES OF SPECIFIED CROPS
BY CROP YEARS, FOR THE UNITED STATES AS A WHOLE**

NOTE—Prices for hays and cottonseed are in dollars per ton; cotton and peanuts in cents per pound; timothy, clover, and alfalfa seeds in dollars per bushel, and for all other products, in cents per bushel. Crop year begins in June for apples, in August for cotton, cottonseed, flaxseed, and timothy seed; in September for buckwheat, clover seed, and peanuts, in October for corn and in July for other crops named. For index numbers of prices of farm products by groups see Table 548.

Crop year beginning—	Wheat ¹	Corn	Oats ¹	Barley ¹	Rye	Buck- wheat	Flaxseed
1913.....	79 3	71 8	38 9	53 2	62 9	76.6	123 4
1914.....	99 4	71 8	44 2	54 1	83.3	81 1	131 3
1915.....	98 2	68 7	39 5	53 7	85 0	81.5	168 8
1916.....	144.4	115.3	49.5	82 2	113 0	126.5	230 2
1917.....	205 8	148 5	71 9	122.3	176.4	167.1	313 0
1918.....	206 3	153.5	70 0	97.8	152 1	164.7	362 7
1919.....	218 6	153 3	78 1	122 3	146 9	159 2	442 0
1920.....	182 9	65 3	55 7	82.2	148 2	126.8	227.1
1921.....	104.4	53 2	33 4	48 5	86 9	89 1	166 1
1922.....	98 2	75 0	38 7	51.3	68 1	89.9	208.3
1923.....	92 5	82 3	41 7	55 2	59 4	96.3	212 2
1924.....	126 6	107 3	49 0	76.8	96 3	108 6	219 2
1925.....	146 2	71 4	39 7	62.8	83 1	87.5	226.2
1926.....	123 8	74 1	40 0	56 9	84 2	87 0	203 1
1927.....	120 8	85 3	47.9	71.3	84 7	87.6	193 5
1928.....	101 2	84 5	42.2	60.0	85 4	90.7	194 5
1929.....	104.9	80 9	42 9	54 4	87 7	96 3	280 6
1930.....	68 1	60 2	33 4	41 6	47 9	79 6	158 1
1931.....	39 1	32 1	21.7	32 0	34 7	42 3	112 5
1932.....	38.6	32 8	16 4	22 7	27 5	43.4	91 9

Crop year beginning—	Potatoes ²	Sweet- potatoes	Apples ¹	Cotton	Cotton- seed	Peanuts	All hay (loose) ¹
1913.....	70 6	83.8	91.7	12 5	22 39	4.7	11 49
1914.....	58 3	84 5	62 5	7 4	16 50	4.4	10 92
1915.....	73 2	75 0	70 4	11 2	32 05	4.3	10 34
1916.....	172 6	92 4	89 4	17 3	49 13	5.0	11 21
1917.....	123 9	118 1	115 4	27.1	66 15	7 1	16 60
1918.....	125 2	149 1	137 6	28 8	65 23	6.7	19 88
1919.....	218 3	162 3	187 4	35 2	67 27	9 6	21 34
1920.....	130 7	140 4	135 2	15 8	22 95	4.8	16 51
1921.....	121 4	111 9	195 2	17 0	29 72	3.8	11 83
1922.....	75 3	97 9	109 4	22 8	34 70	5.5	11 68
1923.....	94 6	120 8	117 4	28 7	42 23	6 6	12 93
1924.....	90 0	149 7	123 8	22 9	34 08	5.9	12 72
1925.....	165 9	166 9	128 5	19 6	30 82	4.7	12 84
1926.....	147 3	118 7	145 0	12 5	21 55	5 1	13 23
1927.....	120 2	107 7	145 0	20 2	35 94	5.2	10 58
1928.....	63.3	113 4	100 5	18 0	35 26	5.0	11 28
1929.....	123 7	114 6	141 5	18 8	30 43	3.8	11 08
1930.....	106 9	109 8	103 7	9 5	21 93	3 6	11 34
1931.....	57 5	70 5	67.3	5 7	0.51	2 0	8 73
1932.....	40 9	48 0	63 1	6.5	10 36	1.6	6 49

Crop year beginning—	Prairie hay ¹	Timothy hay ¹	Clover hay ¹	Alfalfa hay ¹	Timothy seed	Clover seed	Alfalfa seed
1915.....	7 09	12 99	11 22	9 31	2 72	9 61	8.80
1916.....	8 60	12 80	11 32	12 76	2 38	9 28	8 70
1917.....	13 61	19 12	17 69	20 70	3 36	13.35	9 45
1918.....	16 59	23 25	21 53	20 79	4 02	20 19	10.06
1919.....	16 78	25 23	23 78	22 75	4 76	27.02	15 76
1920.....	10 82	20 52	19 38	15 84	3.79	12 67	12 37
1921.....	7 68	14.93	14 19	10 79	2 64	10 71	8 20
1922.....	8.82	14.19	13 04	12 86	2 40	10 20	8.87
1923.....	8 91	16 42	15 06	13 46	2.93	12.14	10 40
1924.....	8 70	14 42	13 50	13 81	3 15	14.21	10 77
1925.....	9.34	15 35	14 48	13 05	3 34	15.27	10 14
1926.....	10 88	15 44	15 07	13 58	2 62	18.20	9 54
1927.....	7 72	11 71	12 20	11 94	1 88	15.98	9 76
1928.....	8.04	12 25	12 97	13 73	2.09	16 89	11 35
1929.....	8.14	11 72	11 88	13 73	1 92	10.48	11 78
1930.....	7.26	14 11	13 38	12 13	2 66	11.80	10 66
1931.....	6 75	9 17	9 65	10 05	1 43	7.33	7 43
1932.....	4.49	7 19	7 74	6.99	95	5.11	5 57

¹ Figures for wheat, oats, and barley beginning 1922 and for apples and hay beginning 1924, revised to conform to the 13-month marketing season.

² Revised beginning 1924 to conform to the 16-month marketing season beginning March of the year indicated and closing in June of the following year.

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 629.—GRAIN PRICES: WEIGHTED AVERAGE MARKET PRICE PER BUSHEL OF REPORTED CASH SALES

Yearly average or crop year beginning—	Wheat, July-June			Corn, Nov.-Oct.		Oats, Aug.-July		Barley, Aug.-July	Rye, July-June	Flax ¹ , seed, Aug. 1-July	Kafir ² , Nov. 1, Oct.
	No. 1, Northern, Minneapolis	No. 2, Hard Winter, Kansas City	No. 2, Red Winter, Chicago	No. 3, Yellow, Chicago	No. 3, Yellow, Kansas City	No. 3, White, Chicago	No. 3, White, Minneapolis	No. 2, Minneapolis	No. 2, Minneapolis	No. 1, Minneapolis	No. 2, White, Kansas City
1909-1913.....	\$0 99	\$0 95	\$0 99	\$0.61	\$0.60	\$0.40	\$0.38	\$0.64	\$0.70	\$1 91	\$1.34
1914-1920.....	1 90	1 85	1 83	1.15	1.12	.60	.58	1.02	1.43	3 03	2.17
1921-1925.....	1 39	1 27	1 33	.79	.78	.42	.38	.65	.87	2 47	1.52
1926-1930.....	1 23	1 16	1 26	.85	.79	.44	.42	.65	.88	2 32	1.31
1918.....	2 25	2 19	2 22	1.62	1.56	.70	.66	1.00	1.58	4 07	2.86
1919.....	2 72	2 42	2 24	1.59	1.60	.80	.80	1.43	1.60	4 73	2.41
1920.....	2 07	1 83	2 23	.62	.59	.51	.48	.74	1.61	2 20	1.06
1921.....	1 43	1 20	1 25	.55	.54	.35	.32	.55	.92	2 16	1.36
1922.....	1 20	1 13	1 14	.73	.74	.41	.36	.58	.76	2 59	1.63
1923.....	1 17	1 05	1 02	.58	.58	.45	.40	.63	.65	2 44	1.51
1924.....	1 56	1 35	1 58	1.06	1.12	.50	.47	.54	1.14	2 63	1.81
1925.....	1 61	1 63	1 64	.75	.74	.41	.37	.67	.88	2 53	1.30
1926.....	1 46	1 35	1 38	.87	.88	.43	.42	.71	.98	2 25	1.20
1927.....	1 36	1 35	1 40	1.01	.85	.55	.50	.84	1.04	2 21	1.46
1928.....	1 18	1 12	1 38	.92	.85	.44	.41	.65	.95	2 29	1.38
1929.....	1 33	1 20	1 30	.83	.80	.44	.42	.59	.90	3 11	1.53
1930.....	.83	.76	.86	.60	.55	.35	.33	.47	.51	1.76	.98
1931.....	.68	.47	.52	.36	.37	.22	.24	.48	.42	1 36	.60
1932.....	.60	.51	.53	.35	.38	.22	.22	.39	.41	1 18	.78

¹ Average closing price through December, 1920² Price per 100 pounds.³ Special No. 2.

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 630.—GRAIN RECEIVED AT SIX ATLANTIC PORTS

NOTE.—Data are for calendar years. Total receipts by ports include flour, meal, and malt reduced to grain equivalent. Receipts at New York, Boston, Philadelphia, and Baltimore include shipments from the West to foreign countries through these ports on through bills of lading. Receipts at Baltimore include flour ground by city millers, and therefore duplicate an equivalent quantity of wheat received in grain

	1910	1915	1920	1925	1930	1932	1933
TOTALS BY PORTS							
New York, total.....	1,000 bu. 93,320	1,000 bu. 220,667	1,000 bu. 145,534	1,000 bu. 189,162	1,000 bu. 126,383	1,000 bu. 72,294	1,000 bu. 58,047
By canal via river.....	10,168	2,504	4,139	32,787	39,797	27,950	20,608
Coastwise and river.....	410	7,120	5,966	9	462	3	1,635
By rail.....	82,742	211,044	135,429	156,386	86,124	44,341	35,804
Boston.....	22,402	28,097	13,099	11,911	7,918	8,815	6,338
Philadelphia.....	28,736	59,772	45,148	55,933	13,529	12,325	9,031
Baltimore.....	32,272	105,856	74,260	35,552	17,693	7,481	6,740
New Orleans.....	16,213	56,774	72,976	32,039	24,639	12,136	10,808
Montreal, Canada.....	44,178	68,185	67,044	179,959	110,675	127,998	85,125
COMMODITY							
Flour.....1,000 bbls.....	16,841	23,279	17,016	23,801	24,291	14,391	13,661
Corn meal.....do.....	1,039	941	77	75	86	83	142
Wheat.....1,000 bu.....	62,944	260,719	220,296	238,631	167,771	129,550	93,488
Corn.....do.....	42,193	45,434	17,916	13,220	4,829	13,622	10,079
Oats.....do.....	47,181	104,554	34,629	76,401	10,255	13,339	7,688
Barley.....do.....	3,929	16,195	16,600	45,191	6,086	11,041	2,133
Rye.....do.....	934	13,928	51,742	23,709	2,245	8,405	663
Total grain.....do.....	157,181	440,829	341,183	397,152	191,186	175,957	114,051
Flour and meal ¹.....do.....	79,940	108,522	76,878	107,404	109,651	65,092	62,038
Grand total.....do.....	237,122	549,351	418,061	504,556	300,837	241,049	176,089

¹ Grain equivalent.

Source: New York Produce Exchange.

No. 631.—GRAIN RECEIPTS AT PRIMARY MARKETS, BY CROP YEARS

[All figures in thousands of bushels. Number of pounds to a bushel: Wheat, 60; corn, 56; oats, 32]

Yearly average or year beginning—	Total	Chi- cago	Mil- wau- kee	Minne- apolis	Du- luth	St Louis	Toledo	De- troit	Kan- sas City	Peoria	Omaha	Indian- apolis
WHEAT												
July 1:												
1914-1920.....	385, 102	60, 469	9, 655	119, 090	51, 044	38, 228	6, 628	2, 121	67, 515	2, 232	22, 521	4, 600
1921-1925.....	388, 647	49, 959	5, 903	112, 209	66, 874	37, 295	10, 801	1, 636	74, 144	2, 601	22, 541	4, 685
1926-1930.....	430, 974	38, 369	6, 781	105, 921	86, 924	41, 458	13, 447	1, 998	94, 057	2, 037	35, 047	4, 934
1927.....	462, 709	45, 851	5, 662	125, 615	118, 855	34, 167	14, 171	2, 281	77, 775	1, 336	31, 948	5, 049
1928.....	458, 334	33, 755	5, 526	121, 893	108, 288	53, 231	14, 118	1, 836	106, 417	2, 411	37, 427	3, 452
1929.....	585, 495	29, 780	6, 455	101, 020	72, 650	40, 355	12, 618	1, 533	91, 720	2, 036	34, 353	5, 925
1930.....	455, 898	43, 397	9, 396	101, 920	81, 787	46, 197	11, 612	1, 612	101, 634	3, 089	50, 020	5, 224
1931.....	327, 859	41, 087	17, 591	54, 048	21, 818	37, 357	14, 437	1, 424	107, 202	2, 296	25, 681	5, 046
1932.....	250, 877	13, 102	2, 628	73, 238	53, 966	17, 989	9, 519	1, 435	60, 113	1, 710	13, 156	4, 021
CORN												
Nov. 1:												
1914-1920.....	246, 387	101, 633	14, 788	10, 643	1, 348	22, 286	3, 025	3, 043	18, 263	25, 349	26, 731	19, 469
1921-1925.....	266, 015	115, 372	14, 538	13, 213	5, 061	30, 749	3, 774	1, 423	18, 436	22, 221	22, 668	18, 559
1926-1930.....	239, 915	85, 776	12, 434	11, 554	1, 493	28, 170	1, 894	785	29, 743	22, 306	23, 465	22, 294
1927.....	293, 627	104, 975	14, 471	9, 378	505	35, 261	1, 480	1, 018	46, 807	25, 056	32, 859	21, 817
1928.....	288, 798	95, 265	14, 987	12, 169	2, 257	38, 108	1, 796	703	34, 468	27, 134	17, 355	24, 556
1929.....	235, 102	77, 409	13, 726	13, 325	1, 588	25, 466	1, 253	417	29, 025	22, 882	26, 522	23, 489
1930.....	181, 270	59, 364	7, 984	11, 639	2, 937	21, 008	1, 002	298	25, 961	10, 302	18, 755	21, 960
1931.....	141, 257	68, 937	7, 448	6, 443	427	14, 324	2, 737	226	7, 629	12, 244	5, 902	14, 940
1932.....	223, 610	89, 578	15, 825	14, 804	8, 914	20, 982	1, 084	396	16, 930	17, 562	10, 269	21, 266
OATS												
Aug. 1:												
1914-1920.....	277, 426	121, 664	30, 007	31, 750	3, 963	27, 613	5, 583	4, 390	10, 295	12, 090	15, 837	14, 234
1921-1925.....	226, 219	71, 431	19, 646	35, 224	12, 494	31, 186	5, 860	2, 376	9, 834	12, 833	14, 494	10, 841
1926-1930.....	133, 168	40, 108	10, 739	20, 884	4, 147	20, 084	6, 274	1, 067	4, 537	7, 545	7, 176	10, 607
1927.....	148, 485	53, 501	10, 411	27, 138	1, 145	19, 351	4, 507	1, 389	4, 226	9, 195	8, 844	8, 688
1928.....	138, 944	41, 023	7, 611	20, 899	3, 527	24, 257	7, 189	1, 143	4, 951	7, 100	6, 853	14, 391
1929.....	133, 669	34, 680	12, 557	21, 409	5, 727	19, 355	4, 345	618	6, 417	7, 796	9, 228	11, 537
1930.....	100, 780	21, 827	8, 290	16, 768	7, 978	16, 381	6, 546	833	3, 821	4, 681	4, 375	9, 330
1931.....	69, 823	25, 370	2, 653	7, 117	1, 003	5, 717	7, 511	747	2, 058	3, 386	1, 708	12, 553
1932.....	100, 174	25, 586	3, 318	23, 977	7, 432	7, 892	5, 584	673	2, 476	3, 661	4, 111	15, 464

1 6-year average, no report for 1915.

Source: Bureau of Agricultural Economics, Department of Agriculture. Compiled from Chicago Daily Trade Bulletin and the annual reports of the Chicago Board of Trade.

No. 632.—FREIGHT RATES ON WHEAT FROM CHICAGO TO NEW YORK

NOTE.—In cents per bushel. For earlier years see Statistical Abstract, 1925, p. 679

Calendar year	By lake and canal	By lake and rail	By all rail ¹	Calendar year	By lake and canal	By lake and rail	By all rail ¹
1896.....	5.38	7.32	12.00	1915.....	6.08	7.48	10.08
1897.....	4.35	7.37	12.32	1916.....	7.95	9.55	10.08
1898.....	4.42	4.96	11.55	1917.....	8.72	9.99	10.08
1899.....	5.65	6.63	11.13	1918.....	12.53	12.27	12.90
1900.....	4.42	5.05	9.98	1919.....	10.94	11.60	14.70
1901.....	5.14	5.57	9.92	1920.....	14.70	15.32	16.68
1902.....	5.25	5.78	10.60	1921.....	10.29	10.91	20.10
1903.....	5.44	6.17	11.33	1922.....	11.63	11.93	19.65
1904.....	4.71	5.02	11.11	1923.....	10.94	12.43	18.00
1905.....	5.51	6.44	10.20	1924.....	8.67	10.92	18.00
1906.....	5.94	6.48	10.50	1925.....	7.24	10.89	18.00
1907.....	6.68	6.93	11.30	1926.....	8.08	12.04	18.00
1908.....	6.00	6.33	11.70	1927.....	7.16	11.14	18.00
1909.....	5.35	6.88	11.70	1928.....	8.40	11.36	18.00
1910.....	5.13	6.57	9.60	1929.....	6.37	10.42	18.00
1911.....	5.35	5.23	9.69	1930.....	6.41	10.80	18.00
1912.....	5.57	6.17	9.60	1931.....	5.52	10.00	18.00
1913.....	5.74	7.01	9.60	1932.....	4.53	8.76	18.00
1914.....	5.31	6.04	9.60	1933.....	4.19	7.86	18.00

1 Rates beginning with 1900 represent wheat for domestic consumption, lower rates applying on grain for export. The rate on grain for export was 13.09 for 1932 and 13.5 for 1933.

Source: New York Produce Exchange.

No. 633.—FREIGHT RATES ON WHEAT FROM BUFFALO TO NEW YORK BY CANAL

Calendar year	Average rate	Calendar year	Average rate	Calendar year	Average rate	Calendar year	Average rate
	<i>Cents per bushel</i>		<i>Cents per bushel</i>		<i>Cents per bushel</i>		<i>Cents per bushel</i>
1891.....	3 53	1902.....	3 73	1913.....	4 57	1924.....	6 73
1892.....	3 44	1903.....	4 03	1914.....	4 27	1925.....	5 70
1893.....	4 65	1904.....	3 14	1915.....	4 47	1926.....	4 99
1894.....	3 13	1905.....	3 87	1916.....	5 00	1927.....	5 27
1895.....	2 20	1906.....	4 24	1917.....	5 50	1928.....	5 96
1896.....	3 70	1907.....	5 07	1918.....	9 80	1929.....	4 52
1897.....	2 84	1908.....	5 00	1919.....	8 31	1930.....	4 76
1898.....	2 87	1909.....	3 90	1920.....	11 05	1931.....	3 63
1899.....	2 92	1910.....	4 08	1921.....	8 39	1932.....	2 88
1900.....	2 51	1911.....	4 36	1922.....	8 00	1933.....	2 23
1901.....	3 46	1912.....	4 32	1923.....	5 86		

Source. Commissioner of Canals and Waterways, Department of Public Works, State of New York

No. 634.—FREIGHT RATES ON GRAIN, FLOUR, AND PROVISIONS, CHICAGO TO EUROPEAN PORTS

NOTE.—Rates cover all-rail transportation to New York and steamer to foreign ports. Rail rates on grain and flour are reshipping rates. Steamer rates are berth rates. Owing to the war complete statements of freight averages for 1914 to 1916 are impossible and for 1917, 1918, 1919, and, in the case of a number of ports, for the earlier months of 1920 no figures are available

[Rates in cents per 100 pounds]

Destination	1900	1905	1910	1913	1921	1925	1927	1928	1929	1930	1931	1932	1933
Grain:													
Liverpool ¹	29.49	19 16	18.15	23 39	48.17	33.8	33.89	32 32	30.69	30.30	27.77	27.22	29 10
Glasgow ¹	30 98	20 00	15.91	22 92	(²)	35.3	36.42	33.90	34.10	34.70	30.39	27.82	30 20
London ¹	31 10	20 23	17 75	24 33	(²)	33.4	34 31	31.74	30.18	30.30	27.61	27.00	29 10
Antwerp.....	-----	-----	18.05	24 62	45.02	33.9	35.56	32 38	32 35	30.75	28.22	27.73	28.50
Hamburg.....	-----	-----	-----	26 16	45.76	35.0	36.50	33.04	31.19	30.11	28.57	27.58	28.50
Amsterdam.....	-----	-----	-----	25.07	49.53	-----	39.50	33.91	32.75	31.76	27.98	27.59	28.50
Rotterdam.....	-----	-----	-----	25.07	48.64	35.5	36.18	33.04	31.86	30.67	27.98	27.59	28.50
Sacked flour:													
Liverpool.....	27.90	22.40	19.75	30.00	58.63	43.8	45.01	43.17	42.19	40.44	36.88	37.46	38 50
Glasgow.....	31.56	22 50	21.50	32 00	(²)	45.0	47.39	45.17	44.19	43.52	38.42	39.46	40 50
London.....	35.01	23 64	22.00	30.50	(²)	43.9	45.04	43.17	42.19	40.44	16.88	37.46	38.50
Antwerp.....	-----	-----	-----	35.60	55.27	44.3	48.05	45.71	43.98	41.54	39.42	40.46	41 50
Hamburg.....	-----	-----	-----	37.00	56.15	44.1	46.80	45.79	43.02	41.54	39 42	40 46	41.50
Amsterdam.....	-----	-----	-----	30.00	55.74	44.6	47.70	46.50	44.54	42.35	39.42	40 46	41 50
Rotterdam.....	-----	-----	-----	29.00	55 12	44.6	47.81	45.71	43.67	41.54	39.42	40 46	41.50
Copenhagen.....	-----	-----	-----	40 00	64.01	50.4	55.32	53 50	53 50	53.50	51.32	52 46	53.50
Stockholm.....	-----	-----	-----	43.00	-----	53.5	57.32	55.69	56.50	56.50	54.42	55.46	56.50
Provisions:													
Liverpool.....	48 84	38 49	45 38	51.00	137.13	106.5	116.33	117.75	101.50	101.50	101.50	98.00	86 50
Glasgow.....	55 31	43.23	46 88	55.31	(²)	106.5	116.33	117.75	101.50	101.50	101.50	98.00	86 50
London.....	55 87	40 88	47 62	61.00	(²)	106.5	116.33	117.75	101.50	101.50	101.50	98.00	86 50
Antwerp.....	51 09	43 70	49 44	65 22	104.01	86.5	98.02	91.50	97.80	99.00	99.00	96 44	84 00
Hamburg.....	50 00	45 75	50 00	65 33	104.87	91.5	110.50	95.67	90.50	91.50	91.50	91.75	86 50
Amsterdam.....	51 00	45 42	48.00	64.00	104.25	86.5	98.00	91.50	97 80	99.00	99.00	96 44	84.00
Rotterdam.....	51.00	44.53	47.00	63.00	104.25	86.5	98.00	99.00	97 80	99.00	99.00	96 44	84.00
Copenhagen.....	55.31	48 66	55 31	69.43	113.00	96.5	103.00	101.50	101 50	101.50	104.83	103.01	91 50
Stockholm.....	64 50	51 47	56.72	73 14	-----	104.0	109.00	104.24	102 25	103.00	103.00	103 75	91.50
Bordeaux.....	64 12	51 45	57.50	71.25	105 16	106.5	110 75	109 83	102 36	111.50	111.50	105 19	84 00
Havre.....	-----	-----	-----	69.38	104.20	106.5	110.75	109.83	102 36	111.50	111.50	105 19	84.00

¹Berth rates to British ports beginning 1922 converted from English money at average exchange rates.

²Rates for Liverpool applied to London and Glasgow

Source: 1900 to 1916, Secretary of the Board of Trade of Chicago; thereafter, compiled in Bureau of Foreign and Domestic Commerce from various sources.

No. 635.—FOOD MANUFACTURING INDUSTRIES: MATERIALS USED AND PRODUCTS

Material and product	Quantity (thousands of unit specified)				Value (thousands of dollars)		
	Unit	1927	1929	1931	1927	1929	1931
CANNING AND PRESERVING							
Canned and processed vegetables, fruits, and sea foods, all industries ¹					618,335	797,839	523,024
Canned vegetables and soups					234,280	325,738	211,296
Beans	Case ²	25,360	30,817	24,151	53,069	69,664	45,587
Corn	do	10,255	16,724	19,377	22,555	36,797	31,492
Peas	do	13,085	17,546	13,253	34,031	44,508	28,939
Tomatoes	do	18,229	21,401	18,894	33,814	42,171	21,694
Tomato juice	do	(3)	(3)	8,476	(3)	(3)	6,212
Tomato cocktails	do	(3)	(3)	1,107	(3)	(3)	1,435
Asparagus	do	2,477	2,727	1,878	12,202	15,465	10,392
Spinach	do	2,462	4,815	1,774	6,225	12,132	3,863
Kraut ⁴	do	3,101	4,224	3,645	5,460	8,422	5,429
Spaghetti	do	2,751	4,239	2,797	6,061	8,326	6,430
All other (incl. soups)	do	19,936	29,703	19,560	60,543	88,260	49,773
Canned fruits					101,731	137,399	79,375
Peaches	Case ²	11,305	8,724	8,617	36,235	35,075	22,640
Apples	do	2,939	3,593	2,067	5,895	7,941	3,322
Berries	do	2,375	2,518	2,635	9,807	10,750	7,981
Pears	do	2,954	4,932	3,918	13,067	24,450	12,124
Apricots	do	3,099	4,267	2,116	12,256	17,134	5,501
Cherries	do	1,229	2,141	1,904	6,490	11,781	5,556
Fruits for salad	do	1,101	1,680	1,573	7,575	11,005	6,937
All other	do	2,562	5,198	5,679	10,406	18,662	15,314
Dried fruits	Pound	1,012,796	938,699	1,084,385	64,167	75,892	80,585
Raisins	do	435,292	421,204	391,921	25,824	23,513	20,539
Prunes	do	438,886	347,349	447,196	23,738	30,362	19,941
Peaches	do	35,038	35,850	40,304	3,895	4,308	3,540
Apples	do	22,253	44,620	44,332	2,228	5,206	3,420
Apricots	do	36,755	43,090	74,138	5,439	7,320	7,348
All other	do	41,572	46,587	76,494	3,043	5,183	5,777
Dried and dehydrated vegetables	do	200			80	405	252
Fish, oysters, etc.					64,410	75,993	41,859
Canned fish, oysters, etc.					51,090	58,470	31,079
Salmon	Case ⁵	1,504	1,561	1,187	15,712	14,303	7,615
Sardines	do ⁶	6,183	9,273	4,118	14,518	18,193	7,117
Shrimps	do ⁷	853	980	818	5,322	5,535	3,393
Tuna	do ⁸	1,256	1,541	1,190	8,368	10,798	7,213
Oysters	do ⁷	447	455	351	2,368	2,174	989
Clams	do ⁷	202	167	127	1,402	943	784
All other	do ⁹	586	1,157	697	3,400	6,523	3,968
Cured fish	Pound	91,213	99,789	66,364	13,320	17,523	10,280
Pickles, sauces, etc.					116,005	135,263	99,771
Salad dressings					34,997	43,244	29,839
Sauces and prepared mustard and horseradish					19,567	18,543	15,062
Pickles					32,980	34,481	28,923
Ketchup					20,237	24,437	15,805
Kraut in bulk ⁶					2,974	4,271	2,664
All other					5,250	10,287	7,478
Preserves, jams, etc.					37,682	47,149	30,406
FLOUR, FEED, ETC.							
Grains, ground, ¹⁰							
Wheat	Bushel ¹¹	544,054	546,242	526,098			
Corn	do ¹¹	92,693	87,453	58,902			
Rye	do ¹¹	9,255	9,671	8,107			
Buckwheat	do ¹¹	2,761	2,027	1,310			
Oats	do ¹¹	27,761	29,006	11,963			
Barley	do ¹¹	8,180	9,499	5,902			
Other grains	do ¹¹	3,805	1,939	1,879			
Flour, meal, feed, etc., all industries ¹					1,115,498	1,040,185	595,761
Wheat flour	Barrel ¹²	118,132	120,040	115,364	820,273	737,309	450,855
Rye flour	do	1,724	1,679	1,568	9,299	9,179	5,336
Buckwheat flour	Pound	44,559	38,453	31,092	1,674	1,570	961
Corn meal and flour	Barrel ¹³	9,867	11,077	8,889	44,840	55,520	28,046
Other flour	Pound	2,394	21,091	16,514	206	782	411
Bran and middlings	Ton ¹⁴	4,638	4,682	4,826	142,194	141,985	73,072
Feed, screenings, etc.	do	2,749	2,472	1,549	97,013	93,840	36,460

For footnotes, see p. 637.

No. 635.—FOOD MANUFACTURING INDUSTRIES: MATERIALS USED AND PRODUCTS—Continued

Industry, material, and product	Quantity (thousands of units specified)				Value (thousands of dollars)		
	Unit	1927	1929	1931	1927	1929	1931
CEREAL PREPARATIONS							
Cereal preparations, prepared flour, etc., all industries ¹					159,945	168,708	135,676
Breakfast foods					113,626	121,107	100,092
Made from wheat					41,511	47,386	34,696
Made from oats	Pound	843,521	718,382	836,936	39,060	36,419	29,613
Made from corn	do	293,465	383,867	371,169	22,177	27,458	21,370
Other	do		58,365	93,992	9,078	9,843	14,412
Prepared flour	do	880,678	1,002,399	951,513	38,186	39,076	31,992
Coffee substitutes	do	29,675	19,816	12,327	6,257	5,253	2,608
All other					1,875	3,272	984
CORN SIRUP, CORN SUGAR, CORN OIL, AND STARCH							
Corn sirup, corn oil, starch, etc., all industries ¹					111,123	135,216	87,144
Cornstarch	Pound	1,012,175	1,046,435	756,549	32,317	39,285	23,877
Corn sirup (incl. mixtures)	do	1,123,791	1,165,183	980,237	32,519	40,553	25,763
Corn sugar	do	904,831	896,121	802,440	25,655	30,217	20,441
Corn oil	do	148,260	176,499	142,215	18,278	20,165	12,250
All other					2,377	4,906	4,513
RICE CLEANING AND POLISHING							
Rough rice milled	Pound	1,915,038	1,749,962	1,743,070			
All products, total value					54,130	48,794	40,360
Clean rice	Pound	1,246,643	1,243,071	1,262,815	51,828	46,088	38,441
All other					2,302	2,706	1,919
BET SUGAR							
Beets treated	Ton ¹⁴	6,711	6,951	7,620			
All products, total value					104,927	108,553	85,673
Sugar	Ton ¹⁴	899	1,086	1,165	98,585	100,767	81,812
Molasses	do	76	78	86	692	1,169	394
Pulp	do	1,308	1,461	1,376	4,414	5,231	2,833
All other					1,236	1,386	634
CANE SUGAR							
Cane crushed	Ton ¹⁴	975	2,726	2,559			
All products, total value					8,009	18,326	13,981
Sugar	Ton ¹⁴	56	180	176	5,115	13,750	11,704
Molasses other than blackstrap	Gallon	3,284	7,957	5,095	927	1,370	761
Blackstrap molasses	do	2,301	10,874	10,485	1,088	1,088	405
Sirup	do	3,885	4,625	3,551	1,341	1,341	924
All other					433	777	187
CANE SUGAR REFINING							
Raw sugar treated	Ton ¹⁴	5,405	5,296	4,634			
All products, total value					597,448	507,389	395,303
Refinery products					597,039	507,198	395,151
Refined sugar	Ton ¹⁴	5,128	5,115	4,430	593,620	502,404	392,199
Sirup	Gallon	5,537	4,320	3,399	1,247	920	720
Refiners' blackstrap	do	31,014	32,169	20,888	2,172	3,444	1,090
Misc. sugar products						830	1,141
All other products					407	191	152
CHOCOLATE AND COCOA PRODUCTS							
Chocolate, cocoa, etc., all industries ¹					125,532	119,359	87,125
Chocolate in cakes, including coatings	Pound	406,245	419,839	401,014	99,083	97,149	69,747
Cocoa	do	91,114	105,694	109,101	13,821	15,054	11,696
Cocoa butter	do	22,769	19,184	23,701	8,555	5,428	3,612
Other chocolate and cocoa products					4,073	1,728	2,070

¹ Includes beside amounts produced in the industry primarily engaged in making these products, data for similar products made in establishments classified in other industries.

² Actual number of cases of all sizes

³ No comparable data for quantity; value included in that for all other.

⁴ See also "Kraut in bulk" under "Pickles, sauces, etc."

⁵ 48 1-pound cans ⁶ 100 No. ¼ cans ⁷ 748 No. 1 cans. ⁸ 48 No. ½ cans.

⁹ See also under "Canned vegetables and soup."

¹⁰ In "Flour and other grain-mill products" industry only.

¹¹ Weight of bushel: Wheat, 60 pounds; corn and rye, 56; buckwheat and barley, 48; oats, 32.

¹² 196 pounds. ¹³ 200 pounds. ¹⁴ 2,000 pounds

Source. Bureau of the Census, Department of Commerce.

29.—FORESTS AND FOREST PRODUCTS

[Data in this section relate to continental United States only except those for national forests which include Alaska, or Alaska and Puerto Rico, as indicated]

No. 636.—FORESTS: ESTIMATED ORIGINAL AREA, AREA IN 1930, STAND OF SAW TIMBER, AND ANNUAL GROWTH, 1930, BY REGIONS

NOTE.—Data in the following table are necessarily approximate. The original area and area in 1930 refer only to land capable of producing commercial timber in commercial quantities, and do not include the low-grade woodland and scrub; the 11,000,000 acres in parks, monuments, etc., are excluded from the forest area in 1930. Annual growth relates to acreage specified as growing area, other areas having no growth in excess of decay

Region	Original area (thousand acres)	Area (thousand acres), 1930						
		Total	Saw timber			Cordwood	Fair to satisfactory re-stocking	Poor to nonre-stocking
			Total	Old growth	Second growth			
Total	816, 158	484, 898	188, 645	98, 855	89, 790	120, 881	102, 073	83, 299
New England ¹	38, 908	27, 273	13, 860	7, 976	5, 884	4, 843	6, 145	2, 425
Middle Atlantic ²	69, 610	27, 139	7, 294	26	7, 268	10, 518	5, 998	3, 329
Lake ³	104, 320	55, 895	5, 095	2, 664	2, 431	8, 880	28, 165	13, 755
Central ⁴	163, 840	64, 249	21, 224	1, 664	19, 560	25, 592	12, 245	5, 188
South ⁵	298, 640	190, 758	57, 265	14, 338	42, 927	52, 702	37, 236	43, 555
Pacific coast ⁶	77, 120	66, 685	44, 140	38, 892	5, 248	6, 683	6, 190	9, 672
North Rocky Mountain ⁷	33, 490	32, 329	17, 026	15, 172	1, 854	5, 704	5, 933	3, 666
South Rocky Mountain ⁸	30, 230	30, 570	22, 741	18, 123	4, 618	5, 959	161	1, 709

Region	Stand of saw timber (millions of board feet), 1930			Annual growth of usable material on commercial forest areas, 1930					
	Total	Soft-woods	Hard-woods	Combined saw-timber and cordwood growth (millions of cubic feet)			Saw-timber growth (millions of board feet)		
				Total	Soft-woods	Hard-woods	Total	Soft-woods	Hard-woods
Total	1, 667, 803	1, 485, 850	181, 953	8, 912	4, 810	4, 102	11, 731	8, 311	3, 420
New England ¹	57, 875	32, 811	25, 064	427	162	265	764	410	354
Middle Atlantic ²	26, 150	8, 245	17, 905	634	114	520	575	172	403
Lake ³	35, 887	9, 193	26, 694	644	167	477	116	12	104
Central ⁴	34, 622	2, 900	31, 722	1, 123	83	1, 045	727	41	686
South ⁵	199, 297	121, 449	77, 848	4, 784	2, 994	1, 790	6, 799	4, 946	1, 853
Pacific coast ⁶	1, 041, 628	1, 038, 909	2, 719	680	675	5	1, 785	1, 765	20
North Rocky Mountain ⁷	146, 388	146, 388	-----	416	416	-----	576	576	-----
South Rocky Mountain ⁸	125, 956	125, 955	1	199	199	-----	389	389	-----

¹ Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut

² New York, New Jersey, Pennsylvania, Delaware, and Maryland.

³ Michigan, Wisconsin, Minnesota, and North Dakota.

⁴ Ohio, Indiana, Illinois, West Virginia, Kentucky, Tennessee, Iowa, and Missouri. Data for Kansas and Nebraska are not available, but these omissions from the central region estimates are unimportant.

⁵ Virginia, North Carolina, South Carolina, Georgia, Florida, Alabama, Mississippi, Arkansas, Louisiana, Texas, and Oklahoma.

⁶ California, Oregon, and Washington

⁷ Idaho and Montana.

⁸ Wyoming, Colorado, South Dakota, New Mexico, Arizona, Utah, and Nevada.

Source: Forest Service, Department of Agriculture.

No. 637.—STAND OF SAW TIMBER (ESTIMATED): BY REGION AND KIND OF WOOD, 1930

[Quantity in millions of board feet]

Kind of wood	Total	New England	Middle Atlantic	Lake	Central	South	Pacific coast	North Rocky Mountain	South Rocky Mountain
Grand total	1,667,803	57,875	26,150	35,887	34,622	199,297	1,041,629	146,388	125,956
Eastern hardwoods, total	179,233	25,064	17,905	28,694	31,722	77,848	-----	-----	-----
Oak.....	60,753	1,945	4,783	6,017	16,315	32,590	-----	-----	-----
Birch, beech, and maple.....	49,943	20,973	8,555	13,459	4,401	2,555	-----	-----	-----
Red gum.....	15,488	-----	71	-----	874	14,543	-----	-----	-----
Tupelo.....	6,342	-----	-----	-----	116	6,226	-----	-----	-----
Yellow poplar.....	5,172	18	203	-----	1,635	3,316	-----	-----	-----
Cottonwood and aspen.....	4,437	2,022	20	887	222	1,286	-----	-----	-----
Others.....	37,098	1,003	4,273	6,331	8,159	17,332	-----	-----	-----
Eastern softwoods, total	174,598	32,811	8,245	9,193	2,900	121,449	-----	-----	-----
Southern yellow pine.....	118,132	-----	597	-----	1,433	116,102	-----	-----	-----
Spruce and fir.....	21,533	18,720	1,564	843	175	231	-----	-----	-----
White and Norway pine.....	14,672	8,390	3,530	2,392	159	201	-----	-----	-----
Hemlock.....	12,198	3,675	2,462	4,612	765	684	-----	-----	-----
Cypress.....	4,140	-----	-----	-----	263	3,877	-----	-----	-----
Others.....	3,923	2,026	92	1,346	105	354	-----	-----	-----
Western hardwoods, total	2,720	-----	-----	-----	-----	-----	2,719	-----	1
Western softwoods, total	1,311,252	-----	-----	-----	-----	-----	1,038,909	146,388	125,956
Douglas fir.....	530,197	-----	-----	-----	-----	-----	484,138	33,933	12,126
Western yellow pine.....	251,560	-----	-----	-----	-----	-----	178,051	31,938	41,571
True fir.....	131,933	-----	-----	-----	-----	-----	109,196	14,594	8,143
Western hemlock.....	86,464	-----	-----	-----	-----	-----	86,464	-----	-----
Spruce.....	61,582	-----	-----	-----	-----	-----	12,782	12,513	36,287
Redwood.....	57,233	-----	-----	-----	-----	-----	57,233	-----	-----
Lodgepole pine.....	43,276	-----	-----	-----	-----	-----	2,143	14,556	26,577
Sugar pine.....	35,516	-----	-----	-----	-----	-----	35,516	-----	-----
Western larch.....	26,118	-----	-----	-----	-----	-----	8,043	18,075	-----
Western white pine.....	19,508	-----	-----	-----	-----	-----	3,944	15,564	-----
Others.....	67,885	-----	-----	-----	-----	-----	61,399	5,215	1,251

No. 638.—NATIONAL FORESTS: AREA AND STANDING TIMBER

NOTE.—On June 30, 1932, there were 16,076,147 acres of State forests, including forest preserves of New York, Hawaiian and Puerto Rican forest reserves, State parks, and other forest lands belonging to States; also 1,373,147 acres of municipal and county forests and parks

State	Net area, 148 forests, June 30, 1933 (acres)	Standing timber, Dec. 31, 1930		State	Net area, 148 forests, June 30, 1933 (acres)	Standing timber, Dec. 31, 1930	
		Saw timber (million board feet)	Cordwood on cord- wood area (1,000 cords)			Saw timber (million board feet)	Cord- wood on cordwood area (1,000 cords)
Total	162,009,145	633,340	149,142	New Hampshire	500,955	1,067	1,253
Cont'l U.S.	140,654,228	552,465	141,526	New Mexico	8,507,274	9,028	-----
Alabama.....	1 134,042	254	5	North Carolina	1 2 420,744	503	1,080
Arizona.....	11,888,785	14,059	-----	Oklahoma	120,380	-----	-----
Arkansas.....	1 1,270,677	1,442	-----	Oregon	13,416,344	152,638	16,113
California.....	19,173,012	102,251	62	Pennsylvania	1 369,108	94	608
Colorado.....	13,389,122	38,251	8,495	South Carolina	47,602	103	90
Florida.....	1 582,888	171	-----	South Dakota	1,071,734	2,910	1,635
Georgia.....	1 337,531	398	554	Tennessee	1 368,777	369	263
Idaho.....	19,487,444	58,275	21,191	Utah	7,629,163	7,283	681
Illinois.....	10,710	-----	-----	Vermont	31,331	-----	-----
Louisiana.....	78,237	5	62	Virginia	1 607,323	777	3,470
Maine.....	33,482	52	-----	Washington	9,600,136	102,309	12,525
Michigan.....	1 612,426	-----	160	West Virginia	330,115	75	480
Minnesota.....	1 1,129,698	1,104	4,458	Wisconsin	1 210,428	11	15
Montana.....	16,100,632	30,565	57,680	Wyoming	8,480,770	28,158	9,926
Nebraska.....	206,026	-----	-----	Alaska	21,342,474	80,875	7,616
Nevada.....	4,978,282	228	18	Puerto Rico	12,443	-----	-----

1 Includes acreage actually acquired under the Weeks law, as amended by the Clarke-McNary law.

2 Includes 8,394 acres transferred from the Treasury Department.

Source of Tables 637 and 638: Forest Service, Department of Agriculture.

No. 639.—NATIONAL FORESTS: LAND ACQUIRED OR APPROVED FOR PURCHASE UNDER THE WEEKS LAW, AS AMENDED BY THE CLARKE-McNARY LAW, TO JUNE 30, 1933

State and National forest or purchase unit	Total	Area approved for purchase	Area acquired	State and National forest or purchase unit	Total	Area approved for purchase	Area acquired
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>		<i>Acres</i>	<i>Acres</i>	<i>Acres</i>
Grand Total -----	5,024,652	486,252	4,538,400	North Carolina, total	442,775	30,495	412,280
Alabama: Alabama	117,466	1,133	116,333	Cherokee (part)	8,415	1,400	7,015
Arkansas, total	353,348	28,693	324,655	Nantahala (part)	151,389	11,927	139,462
Ouachita (part)	182,654	8,462	174,192	Pisgah (part)	282,971	17,168	265,803
Ozark	170,694	20,231	150,463	Oklahoma: Ouachita (part)	60,799	1,899	58,900
Florida, total	247,694	13,330	234,364	Pennsylvania: Allegheny	380,011	8,856	371,155
Choctawhatchee	73,674	11,895	61,679	South Carolina Nantahala (part)	48,982	1,380	47,602
Ocala	25,583		25,583	Tennessee, total	400,701	11,928	388,773
Osceola	148,537	1,435	147,102	Cherokee (part)	206,733	2,514	204,219
Georgia, total	347,434	9,915	337,519	Pisgah (part)	37,645	2,174	35,471
Cherokee (part)	207,664	8,086	199,478	Unaka (part)	156,323	7,240	149,083
Nantahala (part)	139,870	1,829	138,041	Vermont Green Mountain	41,986	10,605	31,381
Kentucky: Cumberland	14,264	14,264		Virginia, total	623,499	16,311	607,188
Louisiana, total	141,375	63,138	78,237	George Washington (part)	383,457	6,641	376,816
Evangeline	56,349	56,349		Monongahela (part)	10,414		10,414
Kisatchie	85,026	6,789	78,237	Natural Bridge	169,285	799	168,486
Maine: White Mountain (part)	35,152	1,670	33,482	Unaka (part)	60,343	8,871	51,472
Michigan, total	408,682	93,797	314,885	West Virginia, total	348,939	18,824	330,115
Hiawatha	121,379	52,973	68,406	George Washington (part)	79,176	11,029	68,147
Huron	107,802	11,448	95,854	Monongahela (part)	269,763	7,795	261,968
Marquette	80,789	10,563	70,226	Wisconsin Nicolet	250,523	32,437	218,086
Ottawa	99,412	18,813	80,599				
Minnesota Superior	165,928	35,348	130,580				
Mississippi: Homochitto	80,173	78,263	1,910				
New Hampshire: White Mountain (part)	514,921	13,966	500,955				

No. 640.—NATIONAL FORESTS: SUMMARY OF OPERATIONS

NOTE.—Data for revenue for all years and for the first three items for 1933 are for fiscal years ended June 30, all other data are for calendar years. Figures include data for national forests in Alaska.

Item	1927	1928	1929	1930	1931	1932	1933
Timber sales:							
Number	12,648	13,791	13,864	15,093	15,873	14,362	14,268
Quantity ¹ —M ft ³	642,698	2,689,916	1,050,894	3,370,417	605,306	352,584	356,792
Timber cut under sales—do	1,091,621	1,336,614	1,421,188	1,254,963	793,816	383,721	389,500
Free timber given:							
Number of users	35,068	38,165	42,135	53,930	81,618	125,472	134,038
Timber cut—M ft ³	81,363	82,442	86,768	116,096	167,680	270,244	265,812
Value—dolls	91,346	90,111	97,518	116,786	162,017	226,947	237,044
Grazing, kinds of stock:							
Cattle—No.	1,403,192	1,335,903	1,322,465	1,315,882	1,338,373	1,361,160	1,366,538
Goats—do	18,046	17,070	15,487	13,496	14,045	12,438	11,045
Swine—do	1,002	1,206	853	540	37,431	428	533
Horses—do	55,629	51,956	48,171	41,961	37,335	35,105	31,797
Sheep—do	6,376,838	6,497,081	6,650,719	6,700,846	6,593,583	6,308,500	6,150,921
Revenue, total—dolls	5,168,606	5,441,801	6,299,802	6,751,553	4,993,320	2,294,247	2,626,049
From—							
Timber ⁴ —do	3,253,243	3,325,245	4,108,595	4,389,893	2,607,618	1,049,108	782,808
Water power—do	98,749	101,798	113,228	107,493	112,308	116,352	60,192
Special uses—do	277,612	285,684	287,119	300,257	301,712	293,157	278,182
Grazing—do	1,530,952	1,713,730	1,740,290	1,942,914	1,960,642	829,960	1,498,209
All other—do	6,050	15,144	50,570	10,996	11,040	5,670	6,658

¹ Amount sold is to be cut during a period of years, hence greater than amount cut in any one year

² Board measure

³ Number actually grazed under permit

⁴ Includes receipts from timber and turpentine sales, timber settlement and trespass.

Source of Tables 639 and 640. Forest Service: Department of Agriculture.

No. 641.—FOREST FIRES: AREA, NUMBER, AND DAMAGE

NOTE.—Data were compiled from reports by the National Forest Supervisors and from those of cooperating States. Figures for fires on national parks were excluded prior to 1931 and on Indian reservations prior to 1932

Year	Area needing protection	Area protected	Area unprotected ¹	Number of fires		Area burned		Damage ²	
				On protected area	On unprotected area ¹	On protected land	On unprotected land ¹	On protected area	On unprotected area ¹
	1,000 acres	1,000 acres	1,000 acres			1,000 acres	1,000 acres	1,000 dollars	1,000 dollars
1927-----	533, 210	359, 725	173, 485	35, 300	123, 138	2, 784	35, 747	4, 297	29, 088
1928-----	555, 822	367, 605	188, 216	39, 260	136, 674	4, 111	39, 431	8, 447	74, 096
1929-----	599, 555	395, 675	203, 830	44, 076	90, 819	4, 876	41, 354	14, 139	87, 917
1930-----	607, 921	399, 142	208, 779	70, 832	120, 148	5, 809	46, 457	14, 597	51, 371
1931-----	617, 324	400, 783	216, 541	62, 174	125, 040	6, 406	45, 200	17, 018	50, 069
1932-----	625, 865	405, 248	220, 617	60, 500	105, 899	3, 652	38, 410	7, 879	45, 881
1933-----	661, 619	442, 953	218, 664	53, 287	87, 435	3, 723	40, 167	17, 318	42, 957

¹ Figures are based upon partial information only, from incomplete reports. Reliable data are not available prior to organized protection.

² Figures do not take into account the vast amount of intangible and indirect damage resulting from forest fires, such as that through decay of damaged timbers, replacements of desirable species of trees by less desirable but more fire-resistant ones, soil deterioration and erosion, loss of wild life, uncertain stream flow, interrupted tourist traffic, and the like.

³ The increase in total acreage is primarily nonforest land.

Source: Forest Service, Department of Agriculture.

No. 642.—FOREST FIRES: NUMBER, AREA BURNED, AND DAMAGE, BY CAUSES, PROTECTED AREAS ONLY

Year	Lightning	Railroads	Campers	Smokers	Debris burning	Incendary	Lumbering	Miscellaneous	Unknown
Number of fires.									
1928-----	3, 753	3, 578	3, 643	7, 703	5, 057	7, 200	1, 589	3, 540	3, 197
1929-----	4, 312	3, 652	3, 837	9, 507	5, 337	7, 930	1, 839	4, 163	3, 497
1930-----	5, 217	4, 625	5, 011	17, 460	9, 180	14, 394	1, 628	6, 087	6, 332
1931-----	3, 784	2, 966	5, 287	14, 579	7, 454	15, 472	1, 082	6, 256	5, 294
1932-----	3, 399	2, 383	4, 969	15, 538	7, 582	16, 410	583	5, 337	4, 299
1933-----	3, 347	2, 182	4, 098	14, 707	6, 859	12, 097	801	5, 929	3, 267
Area burned (acres).									
1928 ¹ -----	234, 680	151, 450	257, 860	600, 040	483, 890	1, 453, 130	176, 060	465, 450	250, 980
1929-----	355, 940	119, 060	319, 480	807, 340	585, 940	1, 652, 870	359, 420	447, 010	229, 260
1930-----	106, 630	259, 120	294, 960	1, 044, 460	736, 440	1, 766, 090	175, 540	623, 810	802, 250
1931 ¹ -----	221, 160	141, 580	396, 830	927, 620	644, 910	2, 221, 570	146, 900	1, 002, 420	672, 350
1932-----	29, 460	59, 190	413, 310	554, 530	423, 680	1, 493, 760	60, 280	304, 560	270, 150
1933 ¹ -----	36, 530	78, 040	253, 150	574, 430	383, 580	995, 240	326, 440	585, 790	229, 110
Damage (dollars): ²									
1928 ¹ -----	378, 910	266, 600	281, 740	1, 477, 150	901, 120	2, 290, 990	964, 040	975, 990	713, 920
1929-----	1, 723, 920	580, 410	784, 450	2, 358, 440	859, 440	3, 732, 750	2, 401, 950	1, 144, 030	500, 530
1930-----	331, 720	1, 005, 450	572, 310	2, 344, 420	1, 706, 580	2, 934, 020	449, 880	1, 633, 630	3, 200, 570
1931 ¹ -----	1, 660, 310	769, 260	825, 190	1, 936, 000	1, 243, 060	4, 786, 410	388, 690	3, 185, 610	1, 237, 420

¹ The totals by causes, for these years, are less than the total area burned or total damage, shown in Tables 641 and 643 because of incomplete reports.

² See footnote 2, Table 641. Data for 1932 and 1933 are not available.

Source: Forest Service, Department of Agriculture.

No. 643.—FOREST FIRES: CLASSIFICATION OF AREA BURNED AND DAMAGE, PROTECTED AREAS ONLY

AREA BURNED

Year	Productive forest (acres)			Nonproductive area (acres)				Grand total (acres)
	Mature or merchantable	Young growth	Total	Protection		No protection or forest value	Total	
				Forest	Other			
1927-----	587, 070	1, 536, 720	2, 123, 790	85, 580	539, 470	35, 610	660, 660	2, 784, 450
1928-----	746, 250	2, 028, 550	2, 774, 800	78, 370	1, 165, 180	92, 340	1, 335, 890	4, 110, 690
1929-----	953, 720	2, 337, 580	3, 291, 300	340, 750	855, 470	388, 800	1, 585, 020	4, 876, 320
1930-----	1, 322, 160	3, 399, 800	4, 721, 960	65, 870	759, 180	262, 310	1, 087, 360	5, 809, 320
1931-----	1, 272, 470	2, 874, 690	4, 147, 160	278, 710	1, 577, 950	402, 050	2, 258, 710	6, 405, 870
1932-----	726, 730	2, 054, 720	2, 781, 450	136, 430	561, 570	172, 760	870, 760	3, 652, 210
1933-----	816, 560	1, 937, 080	2, 753, 640	71, 460	626, 710	271, 110	969, 280	3, 722, 920

No. 643.—FOREST FIRES: CLASSIFICATION OF AREA BURNED AND DAMAGE, PROTECTED AREAS ONLY—Continued

DAMAGE ¹

Year	Timber	Reproduction	Forage	Other	Total	Protection forest value	Grand total
1927.....	\$1,341,230	\$1,527,820	\$398,430	\$1,029,920	\$4,297,400	-----	\$4,297,400
1928.....	2,463,050	2,551,130	612,660	2,305,690	7,932,530	\$514,310	8,446,840
1929.....	5,966,850	3,664,750	403,100	2,911,650	12,945,350	1,193,200	14,138,550
1930.....	5,895,240	6,007,200	325,690	1,771,100	13,999,230	598,050	14,597,280
1931.....	6,821,070	5,491,850	215,820	2,751,750	15,280,490	1,737,610	17,018,100
1932.....	2,760,770	2,577,800	125,970	1,831,030	7,295,570	583,920	7,879,490
1933.....	12,189,920	3,295,840	146,600	1,287,000	16,919,360	399,080	17,318,440

¹ See footnote 2, Table 641

Source: Forest Service, Department of Agriculture

No. 644.—ESTIMATED QUANTITY OF TIMBER REMOVED ANNUALLY FROM FORESTS

NOTE.—Data, except for timber destroyed by disease, insects, etc., are based upon the average of the years 1925-1929, timber destroyed by disease, insects, etc., average of the years 1919-1929

Product and waste	Unit of measure	Quantity in thousands	Total volume removed, including cordwood ¹ (M cubic feet)	Equivalent in lumber which could have been sawed from total volume removed (M feet b. m.)		
				Total	Softwoods	Hardwoods
Aggregate.....	-----	-----	16,306,207	59,133,839	44,254,914	14,878,925
Products, total.....	-----	-----	14,495,308	54,641,444	40,228,682	14,412,762
Lumber.....	Foot, b m ²	38,000,000	7,371,372	38,000,000	30,957,920	7,042,080
Fuelwood.....	Cord.....	61,266	4,002,635	7,047,000	4,146,000	2,901,000
Ties, hewed.....	Piece.....	53,215	633,034	2,025,165	835,553	1,189,612
Fence posts.....	do.....	395,946	628,836	1,299,459	654,438	645,021
Pulpwood.....	Cord.....	5,336	588,666	1,473,620	1,316,815	156,805
Mine timbers (round).....	Cu. ft.....	184,875	231,780	155,988	43,626	112,362
Veneer logs.....	Foot, 1 s.....	920,064	230,607	1,033,708	332,691	701,017
Slack staves.....	Piece.....	979,610	109,345	487,861	179,780	308,081
Slack heading.....	Set.....	67,766	42,452	203,016	129,737	73,279
Slack hoops.....	Piece.....	138,989	10,053	41,626	-----	41,626
Logs and bolts in manufactures.....	Foot, 1 s.....	593,328	156,575	677,960	109,443	568,517
Tight staves.....	Piece.....	307,167	97,116	460,378	224,822	235,556
Tight heading.....	Set.....	26,609	43,733	199,372	74,138	125,234
Shingles.....	Piece.....	6,298,100	138,558	629,810	629,810	-----
Export logs and hewn timbers.....	Foot, 1 s.....	307,570	60,514	340,535	320,503	20,032
Poles.....	Piece.....	3,443	37,571	149,374	131,859	17,515
Distillation wood.....	Cord.....	1,283	36,367	88,970	11,300	77,670
Piling.....	Piece.....	1,363	28,978	141,627	108,497	33,030
Tanning extract wood.....	Cord.....	418	26,173	118,950	-----	118,950
Excelsior wood.....	do.....	179	20,943	67,125	21,750	45,375
Destroyed by fire.....	-----	-----	870,690	1,390,233	1,250,948	139,285
Destroyed by disease, insects, wind, and drought.....	-----	-----	940,209	3,102,162	2,775,284	326,878

¹ The cordwood data in this item include trees of less than saw-timber size on saw-timber and cordwood areas

² Lumber tally measure

Sources: Forest Service, Department of Agriculture. Based in part upon forest products statistics of the Bureau of the Census, Department of Commerce.

No. 645.—LUMBER: REPORTED PRODUCTION, BY SPECIES, AND AVERAGE VALUE

NOTE.—For 1889, 1914, 1921, 1923, 1925, and 1927 custom mills are excluded and beginning with 1911 for each year except 1919 mills cutting less than 50,000 board feet are excluded. Custom mills are much less important in recent years than formerly.

[Quantities in millions of board feet; average mill values per 1,000 board feet]

Year (calendar)	Production			Average mill value	Year (calendar)	Production			Average mill value
	Total	Hard-wood	Soft-wood			Total	Hard-wood	Soft-wood	
1869-----	12, 756	-----	-----	(1)	1920-----	33, 709	6, 989	26, 810	\$38 42
1870-----	18, 091	-----	-----	(1)	1921-----	26, 961	4, 775	22, 186	23. 47
1889-----	23, 842	-----	-----	\$11 41	1922-----	31, 569	4, 925	26, 644	26. 15
1890-----	35, 078	8, 634	26, 146	11 13	1923-----	37, 106	6, 262	30, 904	31. 78
1909-----	44, 510	10, 613	33, 897	15 38	1924-----	35, 931	6, 525	29, 406	28. 57
1912-----	39, 158	8, 632	30, 526	15 35	1925-----	38, 339	6, 628	31, 710	28. 02
1913-----	38, 387	8, 084	30, 303	(1)	1926-----	36, 936	6, 467	30, 469	27. 34
1914-----	37, 346	7, 939	29, 407	(1)	1927-----	34, 532	6, 090	28, 442	25. 80
1915-----	37, 012	7, 527	29, 485	14. 04	1928-----	34, 142	5, 797	28, 345	25. 61
1916-----	39, 807	8, 475	31, 332	15 32	1929-----	36, 886	7, 073	29, 813	26. 94
1917-----	35, 831	6, 657	29, 174	20 32	1930-----	26, 051	4, 729	21, 323	22. 81
1918-----	31, 890	6, 223	25, 667	24 79	1931-----	16, 523	2, 671	13, 852	18. 56
1919-----	34, 552	7, 145	27, 407	30. 21	1932-----	10, 151	1, 406	8, 746	15 12

Species	Production by species								
	1899	1909	1919	1925	1927	1929	1930	1931	1932
Softwoods:									
Yellow pine.....	9, 659	16, 277	13, 063	13, 236	10, 891	11, 630	7, 450	4, 430	3, 069
Douglas fir.....	1, 737	4, 856	5, 902	8, 154	8, 443	8, 689	6, 453	4, 648	2, 904
White pine.....	7, 742	3, 900	1, 724	1, 521	1, 344	1, 248	1, 109	716	433
Hemlock.....	3, 421	3, 051	1, 755	2, 140	2, 071	2, 099	1, 517	960	337
Ponderosa pine (West- ern yellow pine).....	945	1, 500	1, 755	3, 127	2, 799	3, 288	2, 594	1, 822	1, 288
Spruce.....	1, 442	1, 749	980	751	529	564	442	234	166
Cypress.....	496	956	656	903	610	532	491	332	165
Redwood.....	360	522	410	511	570	486	403	211	136
Cedar.....	233	346	332	372	306	309	238	150	86
Larch.....	51	421	388	307	288	245	174	85	50
White fir.....		89	223	337	280	307	207	121	52
Sugar pine.....	54	97	134	307	282	349	205	106	48
Balsam fir.....		109	68	20	16	38	8	11	4
Lodgepole pine.....		24	16	25	13	31	30	25	19
All other softwood.....	9								
Hardwoods:									
Oak.....	4, 438	4, 414	2, 708	2, 129	2, 013	2, 574	1, 662	954	516
Maple.....	633	1, 107	857	922	774	824	601	328	160
Gum, red and sap.....	285	707	851	1, 101	1, 101	1, 104	694	343	202
Yellow poplar.....	1, 115	859	320	376	335	436	258	172	86
Chestnut.....	207	664	546	308	264	268	151	89	48
Birch.....	133	452	375	412	327	374	284	172	73
Beech.....		511	359	181	154	187	138	81	42
Basswood.....	308	399	184	180	146	133	96	57	21
Elm.....	457	347	194	191	161	176	110	57	20
Cottonwood.....	415	266	144	142	104	165	158	77	49
Ash.....	269	291	155	179	137	152	116	68	34
Hickory.....	97	334	170	79	52	57	30	14	8
Tupelo.....		97	144	220	267	307	254	135	89
Walnut.....	39	46	39	70	65	72	36	23	9
Sycamore.....	30	57	28	24	29	58	26	23	8
All other hardwood.....	209	62	61	115	163	186	113	77	40

¹ Not available

² Includes 298,000,000 board feet of lumber not reported by kinds of wood.

Sources: Bureau of the Census, Department of Commerce, and Forest Service, Department of Agriculture.

No. 646.—LUMBER: REPORTED PRODUCTION BY REGIONS AND STATES

[In millions of board feet. See headnote, Table 645]

Region and State	1889	1899	1909	1919	1927	1929	1930	1931	1932
United States	23,842	35,078	44,510	34,552	34,532	36,886	26,051	16,523	10,151
Northeastern	4,736	5,709	5,197	2,584	1,231	1,232	894	603	388
Maine.....	597	785	1,112	596	264	258	222	152	102
New Hampshire.....	277	572	650	339	216	192	182	94	61
Vermont.....	384	376	352	218	91	120	94	61	40
Massachusetts.....	212	344	361	167	88	72	82	43	39
Connecticut.....	49	108	168	87	56	30	21	13	5
New York.....	925	878	681	358	143	160	110	74	39
New Jersey.....	34	74	62	37	5	16	12	7	5
Pennsylvania.....	2,133	2,333	1,463	630	278	314	209	123	73
Maryland.....	82	184	268	113	68	55	48	29	18
Rhode Island.....	8	19	25	11	7	7	7	3	3
Delaware.....	23	36	55	27	17	10	8	4	4
Central	3,130	5,643	5,487	3,016	1,829	2,347	1,367	821	417
Ohio.....	565	990	543	280	123	176	108	53	32
Indiana.....	755	1,037	556	282	148	170	98	53	27
Illinois.....	222	388	170	65	29	38	25	18	8
Missouri.....	402	724	660	321	189	228	127	75	35
West Virginia.....	302	778	1,473	763	542	633	406	247	135
Kentucky.....	423	775	861	512	198	339	189	111	51
Tennessee.....	460	951	1,224	792	595	764	414	263	128
Southern States	3,718	8,404	14,796	12,704	12,068	12,484	8,140	4,721	2,973
Georgia.....	575	1,312	1,342	894	1,201	1,386	753	460	264
Florida.....	412	790	1,202	1,137	907	1,137	876	577	320
Alabama.....	589	1,101	1,691	1,799	2,172	2,059	1,342	732	544
Mississippi.....	454	1,206	2,573	2,390	2,557	2,669	1,484	863	531
Arkansas.....	538	1,624	2,111	1,772	1,229	1,348	869	508	277
Louisiana.....	304	1,115	3,552	3,164	2,386	2,232	1,607	949	567
Texas.....	843	1,232	2,099	1,380	1,446	1,452	1,045	556	405
Oklahoma.....	3	22	226	168	170	200	163	77	65
North Carolina Pine States	1,129	2,712	5,177	3,374	2,408	2,979	2,018	1,263	984
Virginia.....	416	959	2,102	1,098	536	708	495	311	227
North Carolina.....	515	1,287	2,178	1,654	1,055	1,202	815	501	353
South Carolina.....	199	466	898	622	817	1,068	707	450	354
Lake States	8,251	8,750	5,476	2,692	1,795	1,771	1,328	712	290
Michigan.....	4,300	3,018	1,890	876	578	571	467	257	111
Minnesota.....	1,084	2,342	1,562	700	397	357	222	95	58
Wisconsin.....	2,866	3,389	2,025	1,116	820	843	637	360	120
Pacific States	2,028	2,901	6,905	8,818	13,390	14,149	10,670	7,494	4,545
Washington.....	1,064	1,429	3,863	4,961	7,326	7,302	5,502	3,908	2,261
Oregon.....	446	735	1,899	2,577	3,993	4,784	3,654	2,628	1,604
California and Nevada.....	¹ 518	738	¹ 1,144	1,280	2,071	2,063	1,514	¹ 958	681
Rocky Mountain States	249	556	1,292	1,299	1,748	1,843	1,462	873	554
Montana.....	90	256	309	287	396	389	297	158	111
Idaho.....	28	65	646	765	924	1,029	840	500	248
Arizona.....	5	36	63	74	169	175	95	85	58
New Mexico.....	26	31	92	87	173	148	143	59	72
Colorado.....	80	134	142	65	67	72	55	48	39
Utah.....	14	18	13	12	6	5	6	6	5
Wyoming.....	6	17	29	9	13	26	25	17	21
All other	612	401	² 179	65	64	81	73	37	21
Iowa.....	571	352	132	18	³ 17			⁴ 7	2
Kansas.....	4	11			(⁵)	20	13	(⁵) 4	1
Nebraska.....	9	5	² 16	3					
North Dakota.....	7	2							
South Dakota.....	21	32	31	43	47	61	59	27	17
PERCENTAGE DISTRIBUTION									
United States	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Northeastern States.....	19.8	16.3	11.7	7.5	3.6	3.3	3.8	3.6	3.8
Central States.....	13.1	16.1	12.3	8.7	5.3	6.4	5.2	5.0	4.1
Southern States.....	15.6	24.0	33.3	36.8	34.9	33.8	31.3	28.6	29.3
North Carolina Pine States.....	4.7	7.7	11.6	9.8	7.0	8.1	7.7	7.6	9.5
Lake States.....	34.6	24.9	12.3	7.8	5.2	4.8	5.1	4.3	2.8
Pacific States.....	8.5	8.3	15.5	25.5	38.8	38.4	41.0	45.4	44.8
Rocky Mountain States.....	1.1	1.6	2.9	3.7	5.0	5.0	5.6	5.3	5.5
All other.....	2.6	1.1	4	.2	.2	2	3	.2	.2

¹ California only, for 1909 Nevada included with "All other" ² Includes Nevada³ Includes Kansas.⁴ Includes Nebraska⁵ Included with Iowa.

Sources Bureau of the Census, Department of Commerce, and Forest Service, Department of Agriculture.

No. 647.—LUMBER: AVERAGE MILL VALUE PER 1,000 BOARD FEET

Kind of wood	1899	1909	1919	1923	1925	1927	1928	1929	1930	1931	1932
All kinds ¹	\$11.13	\$15.38	\$30.21	\$31.78	\$28.02	\$25.80	\$25.61	\$26.94	\$22.81	\$18.56	\$15.12
SOFTWOODS											
Balsam fir.....	(?)	13.99	32.23	27.62	26.65	25.92	25.40	25.49	26.72	19.34	19.32
Cedar.....	10.91	19.95	33.80	37.56	38.80	34.39	38.32	34.83	31.14	24.08	24.55
Cypress.....	13.32	20.46	38.38	44.61	40.90	39.91	36.18	35.29	33.10	30.64	24.62
Douglas fir.....	8.67	12.44	24.62	26.99	20.94	19.45	19.02	20.05	16.91	12.05	10.61
Hemlock.....	9.98	13.95	29.16	26.21	21.58	19.06	18.84	18.90	17.04	14.13	12.39
Larch (tamarack).....	8.73	12.68	23.39	21.98	18.25	17.69	18.34	18.35	17.18	14.18	10.76
Lodgepole pine.....	(?)	16.25	29.98	21.76	20.22	20.82	19.29	17.97	17.64	14.46	12.45
Ponderosa pine (western yellow pine).....	9.70	15.39	27.75	33.09	27.70	26.04	26.35	26.47	23.52	20.48	16.88
Redwood.....	10.12	14.80	30.04	43.08	33.99	33.81	31.39	31.00	30.33	29.82	24.33
Spruce.....	11.27	16.91	30.76	31.44	27.98	26.59	26.50	28.64	23.66	23.00	17.73
Sugar pine.....	12.30	18.14	35.99	45.33	44.79	43.22	39.06	43.08	38.10	28.76	26.26
White fir.....	(?)	13.10	25.66	23.84	22.51	19.92	20.00	20.63	17.57	14.94	12.23
White pine.....	12.69	18.16	32.83	34.85	32.58	29.90	28.71	29.87	27.81	24.71	21.58
Yellow pine.....	8.46	12.69	28.71	29.82	26.46	23.77	24.62	25.66	21.06	16.99	13.32
HARDWOODS											
Ash.....	15.84	24.44	52.69	50.35	48.46	43.82	45.61	43.14	39.72	41.06	28.74
Basswood.....	12.84	19.50	40.03	45.60	39.76	39.84	39.72	39.88	35.31	28.54	23.81
Beech.....	(?)	13.25	29.98	30.22	29.21	27.21	28.63	28.39	25.89	22.93	17.97
Birch.....	12.50	16.95	35.79	43.33	41.68	41.03	40.30	39.35	36.39	30.95	26.26
Chestnut.....	13.37	16.12	32.30	29.75	30.37	29.35	31.09	29.51	23.91	22.50	17.87
Cottonwood.....	10.37	18.05	32.24	30.19	26.70	30.92	27.54	29.70	22.73	19.54	16.49
Elm.....	11.47	17.52	36.39	43.53	36.41	36.22	37.89	35.28	30.20	25.37	19.07
Gum, red and sap.....	9.63	13.20	32.68	32.35	31.39	32.81	31.91	34.42	27.67	22.68	16.84
Hickory.....	18.78	30.80	44.37	46.39	39.25	37.08	38.83	40.33	33.00	32.65	29.85
Maple.....	11.83	15.77	35.56	41.59	39.18	35.35	36.31	36.93	34.45	28.80	22.82
Oak.....	13.78	20.50	37.87	39.08	37.00	35.72	35.23	38.43	29.29	27.68	22.84
Sycamore.....	11.04	14.87	30.32	30.25	31.11	29.31	30.00	30.07	28.54	22.40	18.71
Tupelo.....	(?)	11.87	28.42	24.90	24.66	24.45	25.61	25.39	23.47	19.05	17.40
Walnut.....	36.49	43.79	72.13	109.38	111.53	111.64	112.54	119.15	100.76	90.44	57.87
Yellow poplar.....	14.03	25.39	41.65	51.29	43.44	38.58	40.90	41.66	35.19	30.02	26.02

¹ Includes species not shown separately.² No data.

Sources: Bureau of the Census, Department of Commerce, and Forest Service, Department of Agriculture.

No. 648.—VENEERS: TIMBER CONSUMED IN MANUFACTURING VENEERS

[In thousands of feet, log scale]

State	1925	1927	1929	1931	Kind of wood	1925	1927	1929	1931
Total.....	734,599	961,561	1,112,910	698,350	Domestic, total.....	720,865	943,993	1,095,244	688,815
Alabama.....	38,561	41,424	43,221	24,364	Basswood.....	9,413	11,885	13,920	7,028
Arkansas.....	58,122	57,611	63,363	36,001	Beech.....	4,708	11,268	17,358	14,130
California.....	10,454	18,379	28,698	14,463	Birch.....	51,490	51,331	47,715	23,213
Florida.....	29,999	77,321	96,199	56,657	Cottonwood.....	39,869	43,456	51,742	43,707
Georgia.....	11,412	38,646	40,388	29,762	Douglas fir.....	101,869	101,220	162,415	101,293
Illinois.....	11,967	11,414	15,821	8,539	Elm.....	8,503	16,945	19,459	20,937
Indiana.....	15,474	25,062	30,779	17,147	Maple.....	23,922	24,706	35,617	24,563
Kentucky.....	23,309	24,193	21,437	11,121	Oak.....	20,661	19,502	20,409	8,908
Louisiana.....	34,395	35,012	47,617	31,030	Red gum.....	237,465	250,247	285,035	201,297
Michigan.....	18,096	20,811	20,434	11,316	Spruce.....	20,033	53,642	38,198	40,364
Mississippi.....	57,268	80,218	75,427	43,798	Tupelo.....	48,311	113,729	88,123	59,116
New York.....	24,095	27,364	37,377	18,723	Walnut.....	17,573	20,786	26,893	60,128
North Carolina.....	64,640	78,171	96,417	52,266	Yellow pine.....	45,818	92,153	119,785	60,128
Oregon.....	29,793	32,091	55,644	23,973	Yellow poplar.....	50,770	56,899	71,989	38,151
South Carolina.....	29,669	35,311	48,960	28,194	All other.....	40,460	76,224	96,586	37,456
Tennessee.....	40,454	25,586	24,710	15,642	Imported, total.....	13,734	17,568	17,668	7,535
Texas.....	5,711	29,216	32,488	30,965	Mahogany.....	7,471	11,954	3,741	2,437
Virginia.....	26,416	33,319	24,688	32,314	Spanish cedar.....	5,149	4,829	3,917	2,044
Washington.....	112,484	140,319	181,826	135,370	All other.....	1,114	785	10,008	3,054
Wisconsin.....	34,292	37,864	38,724	21,160					
All other.....	57,988	92,199	88,692	53,540					

Source: Bureau of the Census, Department of Commerce.

No. 649.—LATH AND SHINGLES: PRODUCTION

[All figures in thousands of lath or shingles]

Year (calendar)	Lath	Shingles	Year (calendar)	Lath	Shingles
1899	2,523,998	12,102,017	1924	2,961,200	6,862,385
1909	3,708,195	14,907,371	1925	3,161,137	7,324,027
1915	2,745,134	8,459,378	1926	3,083,130	6,008,346
1918	1,362,187	5,690,182	1927	2,372,333	6,443,868
1919	1,724,078	9,192,704	1928	1,903,887	5,603,690
1920	1,952,983	6,156,416	1929	1,705,858	6,110,672
1921	1,970,696	6,843,187	1930	1,097,255	3,964,110
1922	2,940,714	8,131,242	1931	614,250	2,713,972
1923	3,328,013	7,506,869	1932	408,089	2,111,300

State	Lath				Shingles			
	1919	1929	1931	1932	1919	1929	1931	1932
Alabama	42,502	33,478	11,686	8,870	62,241	9,896	3,223	2,048
Arkansas	72,827	13,906	4,492	2,485	98,937	4,808	3,466	2,537
California	53,042	154,166	15,418	9,392	191,831	111,435	30,696	116,799
Florida	76,402	107,036	51,316	30,348	128,286	38,991	10,140	5,744
Georgia	19,718	12,457	4,668	600	114,806	24,973	7,878	9,034
Idaho	69,150	92,813	37,588	13,676	22,657	18,088	-----	4,332
Louisiana	199,018	71,458	25,760	29,887	300,784	13,705	20,641	18,658
Maine	104,223	73,767	4,792	10,529	188,576	96,146	64,268	38,791
Michigan	51,469	17,520	5,566	2,176	144,173	35,999	7,704	4,963
Minnesota	115,741	56,653	15,651	6,421	4,451	50	100	-----
Mississippi	96,204	87,937	23,298	21,186	34,002	11,158	2,641	2,994
Montana	21,362	17,002	6,761	4,361	253	20	100	233
North Carolina	19,079	8,206	1,545	331	92,139	24,241	6,661	2,968
Oregon	122,848	236,716	103,015	61,535	530,066	330,672	222,577	181,957
Texas	35,916	46,830	9,781	11,680	13,581	4,176	549	800
Virginia	27,073	8,497	5,526	13,617	1,637	33	-----	70
Washington	339,058	568,819	235,243	104,447	7,095,122	5,333,374	2,292,931	1,812,533
West Virginia	22,005	77,501	15,098	7,748	120	-----	-----	428
Wisconsin	138,936	67,066	19,801	6,550	96,928	37,611	26,168	2,034
All other	97,505	54,030	17,475	10,250	72,114	15,296	5,329	4,297

1 Includes Nevada

No. 650.—COOPERAGE STOCK: PRODUCTION OF STAVES, HEADING, AND HOOPS

NOTE.—Production of wooden hoops in 1923 was 153,954,000, in 1925, 149,167,000, in 1927, 134,596,000, in 1929, 133,054,000, and in 1931, 94,311,000, nearly all elm

Year and kind of wood	Staves (thousands)		Heading (thousand sets)		State	Slack staves (thousands)		Slack heading (thousand sets)	
	Tight	Slack	Tight	Slack		1929	1931	1929	1931
1909	379,231	2,029,548	20,691	140,234	Alabama	66,969	(1)	20,416	15,095
1919	353,825	1,121,324	24,274	87,381	Arkansas	169,118	64,966	(1)	-----
1921	265,047	893,621	20,505	65,747	Florida	30,842	19,567	2,563	1,824
1923	222,507	893,682	19,342	80,477	Georgia	18,815	9,681	9,277	4,636
1925	240,023	937,597	23,052	71,371	Kentucky	2,470	(1)	(1)	(1)
1927	324,127	961,782	26,445	59,337	Louisiana	75,236	42,196	(1)	1,245
1929	357,353	1,039,450	30,329	72,691	Maine	9,875	2,787	1,780	282
1931	204,624	537,177	20,090	43,375	Maryland	11,526	7,199	1,190	132
1931					Minnesota	-----	(1)	1,954	(1)
Ash	3,826	21,710	324	(1)	Mississippi	106,671	66,435	(1)	(1)
Basswood	(1)	(1)	(1)	787	Missouri	52,634	23,236	(1)	-----
Beech	(1)	(1)	-----	600	New Hampshire	7,521	(1)	974	(1)
Cottonwood	-----	22,884	-----	927	New York	-----	(1)	246	(1)
Douglas fir	44,946	20,799	5,638	627	North Carolina	74,032	61,453	3,848	2,579
Elm	-----	36,366	(1)	-----	South Carolina	-----	(1)	6,595	4,525
Gum	18,397	160,375	920	3,721	Tennessee	27,903	11,773	(1)	(1)
Oak	78,968	6,394	6,752	583	Virginia	196,622	95,510	2,829	1,726
Pine	32,072	198,125	4,269	28,271	All other	188,916	133,374	21,919	11,331
Spruce	22,936	41,788	1,776	5,864					
Tupelo	(1)	8,334	(1)	(1)					
All other	3,479	20,402	411	1,995					

1 Included in "All other."

Sources of Tables 649 and 650: Bureau of the Census, Department of Commerce, and Forest Service, Department of Agriculture.

No. 651.—PULPWOOD: CONSUMPTION BY MILLS, AND MILL COST

NOTE.—Figures include both domestic and imported wood. The cost is f. o. b. pulp mill

Year	Quantity, all species (cords)	Cost		Year	Quantity, all species (cords)	Cost		Year	Quantity, all species (cords)	Cost	
		Total (1,000 dollars)	Average per cord			Total (1,000 dollars)	Average per cord			Total (1,000 dollars)	Average per cord
1899.....	1,986,310	9,838	\$4 95	1923.....	5,872,870	95,306	\$16.23	1928.....	7,160,100	97,024	\$13 55
1900.....	4,001,607	34,478	8 81	1924.....	5,768,082	92,672	15 07	1929.....	7,645,011	100,054	13 09
1914.....	4,470,763	39,408	8 81	1925.....	6,068,321	94,340	15 48	1930.....	7,195,524	88,684	12 32
1919.....	5,447,832	87,386	15 95	1926.....	6,766,007	101,229	14 96	1931.....	6,722,766	73,521	10 94
1921.....	4,567,179	91,589	20 10	1927.....	6,750,935	95,452	14 14	1932.....	5,633,123	51,769	9 19

Kind of wood	Total consumption (cords)				Consumption by processes, 1932 (cords)			
	1919	1929	1931	1932	Mechanical ¹	Sulphite	Sulphate	Soda ²
Total.....	5,477,832	7,645,011	6,722,768	5,633,123	1,144,390	2,150,986	1,709,419	628,328
Spruce:								
Domestic.....	2,313,419	2,074,287	1,651,051	1,423,836	675,294	694,501	54,041	-----
Imported.....	873,795	1,029,913	676,339	608,171	229,921	378,260	-----	(³)
Hemlock:								
Domestic.....	795,154	1,309,170	1,185,272	806,230	105,445	552,635	214,160	(⁴)
Imported.....	15,379	5,776	5,776	-----	-----	-----	-----	-----
Yellow pine (southern)	234,463	1,036,272	1,294,503	1,279,832	(⁵)	44,849	1,166,429	69,054
Poplar:								
Domestic.....	180,160	329,466	266,603	192,461	23,893	26,171	(⁶)	143,397
Imported.....	158,220	157,829	94,238	85,693	(⁷)	(⁸)	-----	85,693
Balsam fir:								
Domestic.....	181,840	317,552	338,790	243,224	56,432	157,413	29,379	-----
Imported.....	106,974	45,412	55,601	47,835	(⁹)	47,835	-----	-----
Jack pine ¹	51,581	205,760	159,273	154,214	(¹⁰)	-----	154,214	-----
Beech, birch, and maple ¹	134,111	76,950	69,681	65,958	(¹¹)	(¹²)	-----	65,958
Tamarack (arch) ¹	44,042	51,835	35,433	15,652	(¹³)	(¹⁴)	15,652	-----
Cottonwood.....	(¹⁵)	(¹⁶)	(¹⁷)	37,525	18,362	-----	-----	19,163
Yellow poplar ¹	72,605	129,697	73,504	74,151	-----	-----	-----	-----
Gum ¹	30,355	39,635	22,440	17,553	-----	-----	-----	-----
White fir ¹	31,183	111,054	109,277	70,968	12,416	63,275	8,576	146,748
Other wood.....	44,894	153,485	126,942	68,343	(¹⁸)	(¹⁹)	(²⁰)	(²¹)
Slabs and mill waste.....	175,081	561,285	558,043	441,477	(²²)	(²³)	(²⁴)	(²⁵)

¹ Ground² Includes small quantity of semichemical.³ Includes processes combined.⁴ Included with processes shown in italics to avoid disclosures.⁵ Principally domestic.⁶ Domestic only.⁷ Included with "Other wood."⁸ Combined to avoid disclosures.⁹ Not shown separately to avoid disclosing data for individual establishments, amounts included in total.

No. 652.—WOOD PULP: TOTAL PRODUCTION AND BY STATES AND PROCESSES

NOTE.—In 1932, 1,133,964 tons of mechanical pulp were not steamed and 69,080 tons steamed; of the sulphite and sulphate pulp, 1,515,297 tons were unbleached and 659,188 bleached

Year	Tons ¹	Year	Tons ¹	Year	Tons ¹	Year	Tons ¹
1899.....	1,179,525	1919.....	3,517,952	1925.....	3,962,217	1930.....	4,630,308
1909.....	2,495,523	1921.....	2,875,601	1927.....	4,313,403	1931.....	4,409,344
1914.....	2,893,150	1923.....	3,788,672	1929.....	4,862,885	1932.....	3,760,267

State and process ¹	1909	1919	1925	1929	1930	1931	1932
Principal States:							
Maine.....	620,705	916,764	917,632	981,423	905,088	889,416	764,834
Louisiana.....	-----	(²)	87,147	246,590	243,915	260,765	289,021
New York.....	679,534	811,958	770,777	662,888	596,219	466,510	353,867
Wisconsin.....	324,509	506,549	599,601	733,617	701,011	586,271	476,228
Pennsylvania.....	135,525	215,686	224,399	213,083	188,943	160,023	130,149
New Hampshire.....	212,699	232,134	217,489	212,774	138,332	(³)	(⁴)
Michigan.....	64,369	106,194	161,003	178,015	193,418	160,111	153,323
Minnesota.....	37,295	129,560	171,536	189,664	182,456	148,369	134,509
Washington.....	(⁵)	83,575	161,858	523,948	566,137	580,016	420,529
Vermont.....	59,356	85,945	46,597	26,807	25,047	25,601	(⁶)
Virginia.....	48,641	(⁷)	146,619	206,050	210,365	223,417	207,660
California.....	83,692	123,990	160,736	256,546	248,592	227,532	187,133
Oregon.....	229,298	305,597	297,763	431,870	424,785	681,313	643,014
Other States.....	-----	-----	-----	-----	-----	-----	-----
Process:							
Mechanical.....	1,179,266	1,518,829	1,629,689	1,649,112	1,566,832	1,459,355	1,203,322
Sulphite.....	1,017,631	1,419,829	1,447,191	1,729,889	1,604,991	1,453,194	1,167,263
Soda.....	298,626	411,693	472,647	520,729	475,771	374,054	290,703
Sulphate.....	-----	120,378	412,690	922,674	952,501	1,036,113	1,031,817
Semichemical.....	-----	-----	-----	40,481	30,213	86,628	67,162

¹ Beginning 1914 includes screenings except data by process for 1919.² Not shown separately.

Source of Tables 651 and 652. Bureau of the Census, Department of Commerce.

No. 653.—PAPER AND PAPER BOARDS: CENSUS STATISTICS OF PRODUCTION

[Quantities in thousands of short tons (2,000 pounds); values in thousands of dollars]

Product	Quantity						Value			
	1925	1927	1929	1930 ¹	1931	1932 ¹	1925	1927	1929	1931
Paper and paper boards, total	9, 182	10, 002	11, 140	10, 169	9, 382	7, 998	862, 589	872, 207	903, 301	831, 106
Standard newsprint, in rolls and sheets	1, 563	1, 517	1, 409	1, 226	1, 203	1, 047	106, 083	98, 782	80, 707	63, 654
Hanging	105	113	101	106	86	61	9, 506	9, 035	7, 294	5, 800
Poster, novel, newstabelt, lining, etc.	84	183	151	(2)	136	(2)	7, 096	15, 573	11, 743	9, 624
Catalog			112	115	89	64			9, 571	7, 064
Book	1, 343	1, 329	1, 498	1, 390	1, 209	946	177, 292	160, 869	168, 272	120, 283
Cover	24	26	28	40	24	14	5, 806	5, 938	6, 430	4, 372
Writing (fine)	474	509	608	575	488	424	105, 474	105, 148	113, 224	77, 865
Wrapping	1, 292	1, 525	1, 606	1, 580	1, 402	1, 244	143, 587	162, 580	163, 442	110, 885
Boards	3, 287	3, 774	4, 451	4, 061	3, 848	3, 303	192, 942	211, 264	227, 742	149, 112
Tissue	281	316	388	362	395	359	45, 735	46, 617	53, 300	45, 041
Absorbent	51	64	91	82	77	58	10, 000	13, 331	16, 973	14, 774
Building	582	626	659	469	395	294	45, 692	40, 062	39, 376	18, 129
All other	96	21	39	164	31	183	13, 375	3, 008	5, 228	4, 501

¹ Value not reported.² Included with "All other"

Source Bureau of the Census, Department of Commerce

No. 654.—TURPENTINE AND ROSIN PRODUCTION

Year ¹	Turpentine (gallons)			Rosin (barrels of 500 pounds)		
	Total	From gum ²	From wood ³	Total	From gum ²	From wood ³
1899	37, 733, 500	37, 733, 500	(4)	2, 434, 933	2, 434, 933	(4)
1904	31, 129, 236	30, 687, 051	442, 185	1, 964, 674	1, 964, 674	(4)
1909	⁵ 29, 714, 132	28, 988, 954	706, 868	1, 827, 760	1, 827, 760	(4)
1914	⁵ 27, 648, 939	26, 980, 981	575, 557	⁵ 1, 649, 160	1, 615, 643	29, 022
1919	19, 228, 174	17, 693, 841	1, 534, 333	1, 269, 717	1, 188, 660	131, 057
1923	29, 781, 944	27, 174, 580	2, 607, 364	1, 990, 865	1, 790, 087	200, 778
1924	29, 333, 450	⁶ 26, 072, 200	⁷ 3, 261, 250	2, 018, 296	⁶ 1, 720, 765	⁷ 297, 531
1925	27, 261, 425	⁶ 23, 922, 250	⁷ 3, 339, 175	1, 903, 370	⁶ 1, 578, 866	⁷ 324, 504
1926	29, 483, 055	⁶ 25, 500, 000	⁶ 3, 983, 055	2, 105, 450	⁶ 1, 740, 000	⁶ 365, 450
1927	35, 882, 258	⁶ 31, 549, 082	4, 333, 176	2, 524, 000	2, 071, 813	452, 187
1928	31, 894, 800	⁶ 28, 000, 000	⁶ 3, 894, 800	2, 296, 654	⁶ 1, 865, 000	⁶ 431, 654
1929	35, 940, 124	31, 320, 871	4, 619, 253	2, 454, 186	1, 975, 631	478, 555
1930 ⁷	34, 193, 691	29, 938, 466	4, 255, 225	2, 425, 125	1, 986, 208	438, 917
1931	27, 499, 514	24, 349, 024	3, 150, 490	1, 904, 397	1, 570, 885	333, 512
1932 ¹⁰	22, 414, 650	19, 500, 000	2, 914, 650	1, 655, 923	1, 300, 000	355, 923

State	Production from crude gum							
	Turpentine (gallons)				Rosin (barrels of 500 pounds)			
	1919	1929	1930	1931	1919	1929	1930	1931
Alabama	2, 037, 005	1, 993, 410	1, 721, 575	1, 847, 880	120, 839	123, 798	115, 027	115, 048
Florida	6, 992, 489	9, 847, 151	9, 159, 916	7, 802, 435	486, 432	623, 188	621, 032	518, 269
Georgia	3, 997, 310	15, 938, 491	15, 465, 216	12, 523, 749	234, 690	1, 002, 446	1, 013, 461	799, 683
Mississippi	1, 749, 812	1, 267, 776	1, 062, 323	636, 301	115, 984	81, 683	65, 899	41, 521
Louisiana	1, 885, 231	1, 032, 900	1, 192, 484	567, 534	{ 112, 900 60, 179 }	70, 580	80, 202	38, 290
Texas	906, 404							
North Carolina and South Carolina	125, 590	1, 241, 143	1, 336, 952	971, 125	7, 636	73, 936	90, 587	58, 084

¹ The figures of turpentine and rosin from crude gum beginning with 1919 and from wood beginning with 1925 refer to the crop year ended Mar 31 of the year following. All other figures relate to calendar years.² Compiled from data reported by establishments engaged in the turpentine and rosin industry.³ Compiled from data reported by establishments engaged in the wood-distillation industry.⁴ Not reported.⁵ Includes for 1909 and 1914, 18,310 gallons and 92,401 gallons, respectively, of turpentine and for 1914, 4,495 barrels of rosin reported by establishments engaged in the manufacture of lumber and timber products.⁶ Compiled by the Turpentine and Rosin Producers' Association.⁷ Compiled by the Bureau of Chemistry and Soils, Department of Agriculture.⁸ Estimated. Savannah Naval Stores Review, and Bureau of Chemistry, Department of Agriculture.⁹ Compiled by J E Lockwood, Hercules Powder Co., for 1926; by the Producers' Committee, J E Lockwood, secretary, for 1923.¹⁰ Naval Stores Review; data are not available by States.

Source: Bureau of the Census, Department of Commerce, except as noted.

30.—FISHERIES

No. 655.—QUANTITY AND VALUE OF THE PRODUCTS OF THE FISHERIES OF SPECIFIED SECTIONS

NEW ENGLAND STATES

Calendar year	Total		Maine		New Hampshire	
	1,000 pounds	1,000 dollars	1,000 pounds	1,000 dollars	1,000 pounds	1,000 dollars
1880.....		12,503 0		2,742 6		170. 6
1902.....	534, 075	12,406 3	242,390	2,918 8	1,593	50 0
1908.....	530,029	15,139 0	173,843	3,257 0	677	53 0
1919.....	467,340	19,838 7	147,956	3,889 0	520	22 7
1928.....	603,598	25,619. 9	123,326	4,231 1	239	45. 5
1929.....	604,286	20,072 5	162,939	4,897 2	378	52 1
1930.....	701,351	27,493 5	143,824	4,329 4	1,069	69 1
1931.....	540,295	20,140. 3	116,235	3,443 4	775	66 9
1932.....	480,521	14,001 3	90,602	2,413 3	744	57 7
Calendar year	Massachusetts		Rhode Island		Connecticut	
	1,000 pounds	1,000 dollars	1,000 pounds	1,000 dollars	1,000 pounds	1,000 dollars
1880.....		7,959 8		696 8		933 2
1902.....	230,646	6,482. 4	21,614	1,155 7	37,832	1,799 4
1908.....	244,313	7,095 0	44,254	1,752 0	66,942	2,982 0
1919.....	246,951	10,859 7	48,251	3,296 6	23,653	1,700 6
1928.....	380,169	15,648 8	27,666	2,397. 9	72,198	3,296. 6
1929.....	447,689	18,052 5	28,401	2,435 3	54,879	3,635 4
1930.....	442,474	16,289 1	25,972	2,287 3	88,012	4,518 6
1931.....	355,834	12,951 0	21,683	1,662. 8	45,771	2,016 2
1932.....	347,593	8,928 3	20,536	1,491 4	21,046	1,110 6

MIDDLE ATLANTIC STATES

Calendar year	Total		New York		New Jersey		Pennsylvania		Delaware	
	1,000 pounds	1,000 dollars	1,000 pounds	1,000 dollars	1,000 pounds	1,000 dollars	1,000 pounds	1,000 dollars	1,000 pounds	1,000 dollars
1880.....	408,203	8,489 1	329,453	4,225 7	65,151	3,175 6	89 1	11,918	997. 7	
1901.....	357,888	9,104 7	228,092	3,894 3	117,931	4,755 5	6,030	251 5	5,835	203 4
1908.....	221,450	8,280 0	71,474	4,390 0	74,827	3,069 0	4,380	280 0	70,769	541 0
1921.....	332,932	11,667. 4	210,377	4,986 9	96,937	5,983 4	595	44 6	25,023	652 4
1929.....	190,773	14,137 6	47,259	5,061 7	110,002	8,730 7	42	9 3	33,470	335 9
1930.....	193,868	13,063 7	45,495	4,933 7	97,275	7,474 4	17	2 8	51,081	652 8
1931.....	164,899	9,211. 2	50,994	2,974. 1	92,846	5,854 2	76	4 7	20,963	378 2
1932.....	141,221	4,654. 0	64,866	2,333 3	72,595	2,217 8	32	1 7	3,729	101. 1

CHESAPEAKE BAY STATES

Calendar year	Total		Maryland		Virginia	
	1,000 pounds	1,000 dollars	1,000 pounds	1,000 dollars	1,000 pounds	1,000 dollars
1880.....		8,346 2	95,713	5,221 7	158,875	3,124. 4
1901.....		8,380 8	82,975	3,767 5	378,183	4,613 4
1908.....		8,022 0	113,796	3,306 0	312,515	4,716 0
1920.....		12,740 4	59,531	4,198 7	471,219	8,541 7
1929.....		11,580 6	63,388	4,294 9	211,285	7,286 7
1930.....		11,472. 0	71,099	3,984 7	245,294	7,487 3
1931.....		7,423 0	66,634	2,705. 8	226,637	4,722. 1
1932.....		5,905 0	61,626	1,939 7	297,381	3,965 3

SOUTH ATLANTIC STATES

Calendar year	Total		North Carolina		South Carolina		Georgia		Florida (east coast only)	
	1,000 pounds	1,000 dollars	1,000 pounds	1,000 dollars	1,000 pounds	1,000 dollars	1,000 pounds	1,000 dollars	1,000 pounds	1,000 dollars
1880.....	42,952	1,256 6	32,249	845 7	6,143	212 5	2,272	120 0	2,287	78 4
1902.....	106,446	2,839 6	67,585	1,739 7	8,174	263 0	11,103	359. 1	19,584	477. 9
1908.....	166,875	4,034 0	101,422	1,776 0	14,104	288 0	14,828	701 0	36,521	1,269 0
1918.....	332,614	5,348 6	210,502	2,978 7	3,747	207. 7	37,154	416. 0	81,211	1,746 2
1927.....	260,669	5,695 9	144,466	2,777 4	8,374	350 4	47,607	697. 2	69,222	1,370. 9
1928.....	258,440	6,027. 2	141,899	2,629 2	7,432	316. 8	42,069	866. 3	67,040	2,214. 9
1929.....	340,874	5,952 5	217,595	2,544 0	6,135	275 0	43,514	877. 2	73,630	2,254. 2
1930.....	272,940	4,153 2	168,938	1,836 4	5,106	252 0	34,873	536. 3	64,023	1,527 6
1931.....	148,414	2,962. 3	98,161	1,087. 6	5,837	211. 5	7,350	251. 1	37,066	1,412. 1
1932.....	154,304	2,383. 5	89,214	826 7	4,536	123. 4	16,523	185. 9	47,031	1,247 5

FISHERIES

No. 655.—QUANTITY AND VALUE OF THE PRODUCTS OF THE FISHERIES OF SPECIFIED SECTIONS—Continued

GULF STATES

Calendar year	Total		Florida (west coast only)		Alabama	
	<i>1,000 pounds</i>	<i>1,000 dollars</i>	<i>1,000 pounds</i>	<i>1,000 dollars</i>	<i>1,000 pounds</i>	<i>1,000 dollars</i>
1880.....	23, 561	1, 227 5	8, 376	564 8	3, 542	119 3
1902.....	113, 697	3, 494 2	48, 120	1, 462 2	9, 351	266 7
1908.....	118, 274	4, 860 0	37, 566	2, 120 0	10, 665	387. 0
1918.....	130, 924	6, 510 3	54, 754	3, 420 4	5, 609	230 6
1927.....	195, 705	9, 965 8	73, 835	4, 351 4	10, 076	437. 2
1928.....	191, 007	9, 866 3	61, 121	3, 866 5	14, 466	586. 8
1929.....	194, 521	8, 951 2	72, 323	3, 863 7	9, 025	410. 3
1930.....	144, 820	6 911 6	56, 392	3, 118 1	7, 113	315 5
1931.....	140, 896	5, 119 6	46, 988	2, 181 3	6, 168	222. 8
1932.....	144, 647	4, 044 8	55, 294	1, 725 9	6, 106	168 6

Calendar year	Mississippi		Louisiana		Texas	
	<i>1,000 pounds</i>	<i>1,000 dollars</i>	<i>1,000 pounds</i>	<i>1,000 dollars</i>	<i>1,000 pounds</i>	<i>1,000 dollars</i>
1880.....	788	22 5	6, 990	392 6	3, 859	128. 3
1902.....	23, 427	553 2	24, 754	858 3	8, 044	353 8
1908.....	17, 302	459 0	42, 302	1, 448 0	10, 439	446 0
1918.....	20, 592	762 8	22, 954	1, 419 4	25, 015	677. 2
1927.....	34, 503	1, 259 4	56, 208	2, 863 5	21, 083	1, 054 3
1928.....	30, 701	1, 060 1	69, 507	3, 477 9	15, 212	875. 0
1929.....	34, 629	1, 005 3	61, 920	2, 764 6	16, 624	907 3
1930.....	15, 736	740 1	49, 886	1, 960 4	15, 693	777 5
1931.....	22, 985	595 4	45, 704	1, 830 3	19, 051	789 8
1932.....	20, 603	497 4	48, 340	1, 180 6	14, 304	472 3

PACIFIC COAST STATES

Calendar year	Total		Washington		Oregon		California	
	<i>1,000 pounds</i>	<i>1,000 dollars</i>	<i>1,000 pounds</i>	<i>1,000 dollars</i>	<i>1,000 pounds</i>	<i>1,000 dollars</i>	<i>1,000 pounds</i>	<i>1,000 dollars</i>
1888.....	71, 833	2, 993 1	23, 400	890 9	25, 169	1, 010 8	23, 313	1, 091 4
1899.....	219, 338	6, 316 2	121, 630	2, 884 9	23, 246	862 9	74, 462	2, 568 4
1908.....	176, 150	6, 839 0	100, 456	3, 513 0	28, 217	1, 356 0	47, 477	1, 970 0
1915.....	286, 205	9, 300 7	158, 983	5, 317 1	34, 708	1, 495 5	92, 513	2, 488 1
1924.....	477, 515	20, 416 5	93, 042	7, 487 7	39, 578	3, 203 6	344, 895	9, 725 1
1925.....	624, 022	25, 510 4	143, 714	10, 406 3	40, 007	3, 442 4	440, 301	11, 661 7
1926.....	521, 286	18, 914 7	89, 637	7, 942 3	32, 998	3, 068 0	398, 651	7, 904. 3
1927.....	651, 197	22, 306 6	125, 655	9, 145 4	34, 195	3, 102 9	491, 347	10, 058. 3
1928.....	693, 484	20, 512 8	82, 874	7, 500 8	27, 474	2, 686 3	583, 136	10, 328. 3
1929.....	1, 034, 434	25, 038 4	152, 224	9, 562 7	25, 284	2, 605 2	856, 926	12, 870 5
1930.....	833, 389	23, 064 1	110, 039	8, 334 8	26, 459	2, 256 3	696, 891	12, 473 0
1931.....	597, 307	13, 603 2	140, 491	5, 121 8	25, 819	1, 282. 2	430, 997	7, 199 2
1932.....	560, 829	9, 454 3	91, 960	3, 378 0	22, 986	723 7	442, 883	5, 377 6

GREAT LAKES

Calendar year	Total ¹		Lake Superior		Lake Michigan		Lake Huron		Lake Erie	
	<i>1,000 pounds</i>	<i>1,000 dollars</i>	<i>1,000 pounds</i>	<i>1,000 dollars</i>	<i>1,000 pounds</i>	<i>1,000 dollars</i>	<i>1,000 pounds</i>	<i>1,000 dollars</i>	<i>1,000 pounds</i>	<i>1,000 dollars</i>
1885.....	99, 842	2, 691 9	8, 826	291 5	23, 518	878 8	11, 457	276 4	51, 457	1, 109 1
1899.....	113, 727	2, 611 4	5, 430	150 9	34, 500	876 7	12, 418	308 1	58, 394	1, 150 9
1908.....	106, 631	3, 768 0	10, 198	342 0	40, 019	1, 554 0	12, 932	486 0	41, 922	1, 280 0
1917.....	103, 759	6, 298. 0	15, 447	726 7	35, 461	2, 270 9	13, 363	857 5	38, 300	2, 330. 2
1925.....	72, 908	6, 444 6	13, 436	760 5	20, 495	2, 077 6	13, 132	1, 261 0	25, 057	2, 246 5
1927.....	79, 188	6, 614 8	15, 302	918 1	23, 631	2, 354 8	15, 711	1, 444 4	23, 796	1, 831 3
1928.....	63, 368	5, 960. 8	13, 132	772 7	17, 999	2, 332 5	9, 943	1, 024 0	18, 643	1, 573 9
1929.....	85, 380	6, 787 7	17, 148	835 2	35, 618	3, 480 9	10, 477	927 5	18, 643	1, 268 1
1930.....	94, 948	6, 050 3	14, 694	695 3	30, 973	2, 159 0	16, 377	1, 319 9	29, 540	1, 655 5
1931.....	91, 727	6, 029. 2	11, 281	627 8	25, 059	1, 991 5	17, 727	1, 510 2	34, 772	1, 698. 9
1932.....	83, 744	4, 331 8	10, 173	379 3	20, 692	1, 236 3	15, 848	1, 143 1	33, 670	1, 439 3

¹ Includes small amounts for Lake Ontario, Lake-of-the-Woods, Namakan Lake, Rainy Lake, Lake St. Clair, and St. Clair and Detroit Rivers not shown separately.

² Data collected for the most part by State fishery agencies and compiled by the Bureau of Fisheries.

MISSISSIPPI RIVER AND TRIBUTARIES

³ Including minor tributaries.
⁴ Includes tributaries in 1931.
⁵ Not included with Mississippi River and tributaries, 1899 to 1908.
⁶ Including tributaries.

Section	Fisher- men	Fish- ing vessels	Fish- ing boats	Products	
				Quantity	Value
Total.....	<i>Number</i> 116, 105	<i>Number</i> 3, 750	<i>Number</i> 68, 382	<i>1,000 pounds</i> 2, 613, 174	<i>1,000 dollars</i> 54, 764
New England States.....	16, 472	620	9, 607	480, 521	14, 001
Middle Atlantic States.....	8, 370	415	3, 687	141, 221	4, 654
Chesapeake Bay States.....	20, 946	322	14, 282	359, 007	5, 905
South Atlantic and Gulf States.....	21, 560	512	12, 034	298, 951	6, 428
Pacific Coast States.....	17, 882	937	6, 029	560, 828	9, 484
Lake States.....	6, 932	498	3, 159	83, 744	4, 332
Mississippi River States.....	15, 884	—	14, 546	82, 382	2, 898
Alaska.....	3, 059	446	4, 138	606, 520	7, 062

No. 657.—FISHERY PRODUCTS LANDED AT SEATTLE, WASH., BY UNITED STATES VESSELS AND FISH RECEIVED BY SEATTLE WHOLESALE DEALERS

¹ Halibut fleet

² Does not include fish received from Alaska or Canada.

Source of Tables 655, 656, and 657: Bureau of Fisheries, Department of Commerce.

No. 658.—FISHERIES: PRODUCTS LANDED AT BOSTON AND GLOUCESTER, MASS., AND PORTLAND, ME., BY FISHING VESSELS

Port and calendar year	Total, all species	Cod	Haddock	Hake	Pollock	Cusk	Halibut	Mackerel	Miscellaneous
Quantity in thousands of pounds									
All three ports									
1922	159,875	55,180	70,196	5,374	5,097	2,247	5,624	4,727	11,420
1923	174,941	62,655	73,762	6,338	4,804	2,998	4,875	11,565	7,945
1924	182,948	61,449	79,902	7,285	5,085	3,406	4,422	9,758	11,643
1925	216,869	67,250	91,886	5,806	5,290	3,713	3,561	26,210	13,153
1926	238,426	78,219	94,061	5,505	6,740	2,728	3,431	36,230	11,511
1927	263,850	68,355	128,593	5,862	7,663	2,727	4,779	31,530	19,341
1928	277,982	59,302	125,331	8,423	8,040	2,358	3,385	24,253	16,890
1929	327,096	50,647	187,204	12,051	10,565	3,483	2,696	37,743	22,707
1930	350,801	66,616	189,371	15,618	13,380	4,433	2,581	33,513	24,689
1931	263,685	60,645	132,846	7,755	7,631	4,265	2,571	29,524	18,448
1932	252,334	59,551	120,117	7,745	7,850	3,069	2,356	38,096	13,550
1933	267,157	73,842	129,862	7,197	12,395	3,430	2,139	22,444	15,848
Boston									
1931	219,945	49,920	120,287	5,904	5,028	3,447	2,310	19,878	13,191
1932	215,619	48,544	114,734	5,670	5,783	2,493	2,084	25,274	11,037
1933	232,583	61,250	122,886	5,221	8,262	2,498	1,756	17,358	13,352
Gloucester									
1931	24,850	6,815	5,056	602	1,398	146	56	7,351	3,426
1932	25,328	7,898	2,431	1,030	1,176	241	163	11,054	1,335
1933	21,737	9,518	2,558	489	3,398	280	5	4,037	1,452
Portland:									
1931	18,890	3,910	7,503	1,249	1,205	672	205	2,815	1,831
1932	11,387	3,109	2,952	1,044	891	336	109	1,768	1,178
1933	12,837	3,074	4,417	1,486	735	652	379	1,050	1,044
Value in thousands and tenths of thousands of dollars									
All three ports									
1922	5,465.9	1,635.3	1,809.4	111.3	118.0	34.6	784.1	276.0	696.8
1923	7,051.2	2,184.1	2,423.2	142.4	152.2	61.7	922.7	487.0	677.3
1924	6,993.0	2,138.3	2,308.6	186.1	159.4	68.1	789.6	541.0	801.0
1925	8,115.6	2,321.2	2,747.7	173.7	147.6	84.6	655.2	1,191.0	794.4
1926	9,057.7	2,647.5	3,082.9	146.2	153.7	69.6	671.2	1,406.0	880.1
1927	9,404.5	2,146.5	3,331.7	156.5	171.8	71.4	839.9	1,295.0	1,191.0
1928	10,849.1	2,198.7	5,036.5	221.5	174.4	62.7	609.0	1,355.9	1,190.2
1929	13,051.7	1,983.5	6,845.3	405.1	243.5	102.9	484.5	1,882.4	1,559.1
1930	12,785.5	2,208.1	6,645.8	394.9	263.8	113.2	443.0	1,157.6	1,080.0
1931	9,249.3	1,758.4	4,434.4	178.0	113.7	83.2	375.9	1,225.7	727.9
1932	6,083.9	1,301.5	2,906.8	136.6	85.7	45.8	261.2	618.4	758.5
1933	6,850.9	1,641.7	3,374.0	144.3	158.8	49.3	226.1	498.2	758.5
Boston									
1931	7,906.5	1,418.5	4,081.2	143.9	83.7	68.3	341.7	889.8	879.4
1932	5,366.9	1,044.6	2,767.5	111.5	70.7	38.2	239.2	460.2	635.0
1933	6,093.6	1,361.0	3,205.0	111.8	105.9	38.2	191.0	402.5	678.2
Gloucester.									
1931	775.8	207.2	136.6	11.6	19.3	1.7	5.7	275.7	118.0
1932	434.1	175.8	48.5	9.3	9.7	1.8	11.8	139.0	38.2
1933	441.9	209.2	52.9	9.3	47.6	1.7	.4	82.8	38.0
Portland.									
1931	567.0	132.7	216.6	22.5	10.7	13.2	28.5	60.2	82.6
1932	282.8	81.1	90.8	15.7	5.4	5.8	10.2	19.1	54.7
1933	315.3	71.5	116.0	23.2	5.4	9.2	34.7	12.9	42.4

No. 659.—CANNED FISHERY PRODUCTS AND BY-PRODUCTS OF THE UNITED STATES AND ALASKA: VALUE

NOTE.—Values in thousands of dollars See also census statistics of fish canning, Tables 635 and 738

Product	1926	1927	1928	1929	1930	1931	1932	1933
Total value	98,326	94,177	110,753	124,833	106,579	79,514	56,216	66,909
Salmon	56,219	45,729	54,638	56,086	42,835	38,083	26,460	36,241
California sardines	7,807	9,269	9,659	11,997	8,742	4,715	2,358	3,805
Maine and Massachusetts sardines	6,727	5,249	8,076	6,898	4,459	2,647	1,370	2,397
Tuna and tunalike fishes	5,282	8,368	8,374	9,873	13,056	7,279	6,183	6,934
Shrimps and crabs	4,147	5,348	5,226	5,559	5,017	3,995	2,676	3,623
Clams	2,005	2,745	2,624	2,548	2,666	2,257	1,797	1,690
Oysters	2,027	2,368	2,761	2,732	1,837	964	1,008	1,075
Miscellaneous canned products	1,978	2,308	4,514	5,372	4,246	3,009	1,897	3,709
Menhaden—meal, scrap, and oil	3,442	3,690	3,440	3,630	2,674	1,140	1,180	1,571
Miscellaneous by-products	8,691	9,103	11,441	20,138	21,047	15,425	11,286	5,864

Source of Tables 658 and 659: Bureau of Fisheries, Department of Commerce.

No. 660.—CANNED SALMON OUTPUT, UNITED STATES AND ALASKA

Quantity in thousands and tenths of thousands of 48-pound cases, value in thousands and tenths of thousands of dollars]

Specie	Quantity				Value			
	Total	Wash- ington	Oregon and Cali- fornia	Alaska	Total	Wash- ington	Oregon and Cali- fornia	Alaska
Total, all species:								
1926.....	7,488.6	489.6	346.2	6,652.9	56,219.3	5,428.3	4,711.0	46,080.0
1927.....	5,076.6	1,091.0	413.5	3,572.1	45,728.8	10,158.2	5,554.3	30,016.3
1928.....	6,926.8	1,497.4	345.5	6,083.9	54,633.1	5,024.0	4,230.2	45,383.9
1929.....	6,990.7	1,278.5	342.1	5,370.1	56,085.7	10,922.4	4,693.0	40,469.4
1930.....	6,086.4	708.7	345.2	5,032.5	42,835.9	8,364.4	4,775.6	29,695.9
1931.....	6,740.0	1,068.7	267.5	5,403.8	38,083.2	6,134.1	2,852.2	29,096.9
1932.....	5,909.0	412.3	242.2	5,254.5	26,460.1	2,632.2	2,112.0	21,715.9
1933.....	6,362.5	848.9	288.0	5,225.6	36,241.9	5,217.4	2,648.5	28,376.0
Coho or silver:								
1931.....	284.4	85.0	29.5	169.9	2,022.1	657.6	257.9	1,106.6
1932.....	253.3	66.3	38.9	148.1	1,396.7	360.8	424.7	611.2
1933.....	243.3	46.8	33.9	162.6	1,382.1	294.0	243.0	845.0
Chum or keta:								
1931.....	612.7	67.4	11.5	533.8	1,948.8	213.5	34.6	1,700.7
1932.....	1,007.0	168.8	17.7	820.5	2,809.1	473.2	47.4	2,288.5
1933.....	735.6	49.8	27.0	658.8	3,012.2	197.2	102.1	2,712.8
Humpback or pink								
1931.....	3,659.3	705.5	-----	2,953.8	12,700.5	2,485.0	-----	10,215.5
1932.....	2,114.8	1.7	-----	2,113.1	6,643.0	6.0	-----	6,637.0
1933.....	2,722.7	540.2	-----	2,182.6	12,235.7	2,361.9	-----	9,873.7
King, chinook, or spring								
1931.....	381.0	112.4	216.7	51.9	4,210.1	1,297.1	2,425.6	487.4
1932.....	320.4	78.0	172.9	69.5	2,590.4	693.4	1,517.7	379.3
1933.....	322.4	74.6	206.5	41.4	3,071.4	677.2	2,083.1	311.2
Red or sockeye.								
1931.....	1,790.2	93.7	2.2	1,694.3	17,045.6	1,423.6	35.9	15,586.1
1932.....	2,197.0	92.1	1.8	2,103.1	12,877.8	1,058.6	19.3	11,799.9
1933.....	2,320.9	134.1	6.5	2,180.3	16,379.4	1,658.1	88.0	14,633.3
Steelhead:								
1931.....	12.4	4.7	7.6	.1	156.1	57.3	98.2	.6
1932.....	16.4	5.5	10.9	-----	143.1	40.2	102.9	-----
1933.....	17.6	3.5	14.1	-----	161.2	28.9	132.3	-----

Source: Bureau of Fisheries, Department of Commerce.

No. 661.—ALASKA FISHERY INDUSTRIES: SUMMARY OF PRODUCTS

Product	Quantity in thousands of unit specified					Value in thousands of dollars					
	Unit	1920	1925	1930	1932	1933	1920	1925	1930	1932	1933
Total							41,492	40,039	37,679	25,029	32,123
Salmon:											
Canned	Case	4,429	4,460	5,032	5,254	5,226	35,603	31,990	23,695	21,716	28,376
Fresh and frozen	Pound	5,165	5,193	7,909	7,379	4,860	424	395	672	297	252
Cured, all forms	do	3,067	6,895	6,979	7,131	6,358	510	1,297	1,096	578	752
By-products	do	2,071	1,738	2,703	1,147	1,181	105	60	62	17	20
Halibut, fresh and frozen	do	15,295	10,972	31,557	13,552	14,069	1,727	884	2,991	493	726
Herring:											
Fresh and frozen	do			79					4		
Cured for food	do	8,582	35,171	8,765	13,363	13,507	542	2,323	496	639	620
Bait	do	4,085	7,087	9,298	6,487	4,472	41	39	103	48	39
By-products	do	11,186	34,806	50,002	38,011	45,317	720	1,490	1,531	487	744
Cod	do	12,764	2,854	322	197	338	1,117	129	17	6	13
Sablefish	do	584	1,043	449	87	103	29	45	21	2	5
Other fish	do	110	142	484	25	119	14	10	26	3	3
Shrimps	do	112	520	514	302	319	49	207	211	114	102
Crabs	do	8	206	107	319	571	2	53	35	91	156
Clams	do	222	2,066	853	879	523	47	492	242	447	246
Whales:											
Oil	do	8,317	7,224	7,034	5,574	2,344	436	556	417	77	55
Fertilizer	do	3,190	2,444	2,340	2,090	1,034	120	57	51	14	14
All other	do	18	797	43			6	12	2		

Source: Bureau of Fisheries, Department of Commerce.

No. 662.—CANNED SALMON: OUTPUT AND PRICES OF ALASKA PRODUCT

Yearly average or year	Total value of pack (thousands of dollars)	Output, equivalent in thousands of cases of forty-eight 1-pound cans						Average price in dollars per case of forty-eight 1-pound cans				
		Total	Coho or silver	Chum or keta	Hump-back or pink	King or spring	Red or sock-eye	Coho or silver	Chum or keta	Hump-back or pink	King or spring	Red or sock-eye
1911-1915----	16,398	3,835	131	485	1,304	52	1,863	4 43	2.85	3.07	5.11	5.54
1916-1920----	39,897	5,293	220	1,079	1,936	77	1,982	8 73	5.35	6.10	9 94	10 20
1919-----	43,265	4,584	233	1,366	1,612	96	1,278	11.27	6 82	8.35	13.13	12.98
1920-----	35,603	4,429	192	1,034	1,593	110	1,501	9.13	4.19	5.47	10 97	13.05
1921-----	19,633	2,597	107	255	424	45	1,766	5.63	3 68	4.21	10.22	8.96
1922-----	29,787	4,502	176	566	1,658	31	2,071	5.47	3.98	4.34	8.08	9.24
1923-----	32,873	5,036	164	526	2,448	38	1,859	5.74	4.65	4.86	8.56	9.24
1924-----	33,007	5,295	184	1,028	2,601	34	1,448	6 83	4.68	4.93	8 89	9.53
1925-----	31,990	4,460	161	1,079	2,111	50	1,060	9 72	4.44	5.28	11.91	13.12
1926-----	46,080	6,653	203	902	3,338	52	2,157	8 40	5.01	5.39	10 37	9.89
1927-----	30,016	3,572	253	508	1,421	70	1,320	8.51	5.47	5.87	11.25	12.08
1928-----	45,384	6,084	299	996	2,787	54	1,948	7.12	6.06	6 56	11.13	9.41
1929-----	40,469	5,370	172	884	2,572	72	1,690	7 59	5.35	6 06	11 92	10 71
1930-----	29,695	5,032	332	600	3 139	60	851	8 26	3.60	4.17	13.32	12.37
1931-----	29,695	5,404	170	534	2 954	52	1,694	6.51	3.19	3.46	9 40	9 20
1932-----	21,716	3,254	148	821	2 113	70	2,103	4 12	2 79	3.14	5 46	5 61
1933-----	28,376	5,226	163	659	2 183	41	2,180	5 20	4.12	4.52	7.51	6 71

No. 663.—FISH PROPAGATION: OUTPUT OF FISH EGGS, FRY, AND FINGER-LINGS, BY UNITED STATES BUREAU OF FISHERIES, YEARS ENDED JUNE 30

[All quantities expressed in thousands]

Year	Total	Eggs	Fry	Finger-lings	Cost per million ¹
1895-----	619,916	55,408	561,894	2,613	\$292 64
1900-----	1,164,337	88,682	1,070,757	4,998	250 00
1915-----	4,288,758	536,260	3,694,252	58 216	131 55
1920-----	4,770,356	630,749	3,872,218	267 888	130 11
1925-----	5,301,862	1,050,393	4,114,514	136,954	135 61
1926-----	5,232,240	737,135	4,195,939	299,166	142 53
1927-----	6,481,073	1,523,458	4,767,113	190,502	116 30
1928-----	7,036,317	2,253,244	4,521,439	261,634	119 37
1929-----	7,060,369	2,861,236	4,062,948	136,185	125 55
1930-----	7,570,482	2,553,481	4,766,831	250,170	120 50
1931-----	7,121,805	2,327,421	4,474,344	320,040	138 41
1932-----	7,073,929	2,808,231	4,117,085	148,613	141 90
1933-----	7,202,155	2,677,817	4,342,000	182,338	117 70

Species	1933			Species	1933		
	Eggs	Fry	Finger-lings		Eggs	Fry	Finger-lings
Catfish-----			29,417	Grayling-----	50	146	-----
Buffalo fish-----			1,053	Pike and pickerel-----			163
Carp-----	94,049		2,232	Mackerel-----		5,127	-----
Shad-----	23,500	22,737		Crappie-----			15,046
Glut herring-----		25,000		Largemouth black bass-----		1,125	2,950
Whitefish-----	500	156,721		Smallmouth black bass-----		806	357
Cisco-----		15,100		Rock bass-----			91
Chinook salmon-----	10,354	13,437	34,491	Warmouth bass-----			22
Chum salmon-----		21,594		Sunfish-----			19,200
Silver salmon-----	807	2,004	1,597	Pike perch-----		127,775	
Sockeye salmon-----	3,011	27,717	21,985	Yellow perch-----		172,635	374
Humpback salmon-----		154		White perch-----		3,350	21
Steelhead salmon-----	338		1,563	White bass-----			
Atlantic salmon-----	500		474				
Landlocked salmon-----	25	8	911	Fresh-water drum-----	1,812,414	498,338	15
Rainbow trout-----	5,860	128	8,558	Cod-----	704,250	29,533	-----
Black-spotted trout-----	6,353		14,122	Haddock-----			-----
Loch Leven trout-----	12,054	2,436	5,579	Pollock-----		13,861	-----
Lake trout-----	840	18,683	356	Winter flounder-----		3,180,662	-----
Brook trout-----	150	2,923	15,454	Miscellaneous fishes-----			6,298
Dolly Varden trout-----	154		-----				

¹ Includes all expenditures chargeable to fish culture and distribution and salaries of all employees in the fish-cultural field services and the administrative and clerical force in Washington, D. C.

Sources of Tables 662 and 663 Bureau of Fisheries, Department of Commerce.

31.—MINING AND MINERAL PRODUCTS

[Data in this section cover the following areas unless otherwise indicated: Bureau of Census and American Iron and Steel Institute statistics, continental United States; Bureau of Mines production statistics, continental United States, and, for leading products, outlying areas; foreign trade statistics, United States customs area, which includes Alaska, Hawaii, and Puerto Rico. Index numbers of mineral production are shown in Table 741 p 730]

No. 664.—TOTAL VALUE OF MINERAL PRODUCTS OF THE UNITED STATES

NOTE.—All figures in millions of dollars. See general note above

Yearly average or year	Total	Metal- lic	Non- metal- lic	Un- spec- ified	Year	Total	Metal- lic	Non- metal- lic	Un- spec- ified
1881-1885	426	191	229	6	1916	3,508	1,621	1,884	3
1886-1890	541	248	292	1	1917	4,992	2,086	2,900	6
1891-1895	592	244	347	1	1918	5,541	2,153	3,351	7
1896-1900	828	366	461	1	1919	4,596	1,860	3,233	5
1901-1905	1,392	578	813	1	1920	6,981	1,762	5,214	3
1906-1910	1,887	769	1,118	(¹)	1921	4,139	654	3,482	3
1911-1915	2,220	820	1,399	1	1922	4,647	987	3,656	4
1916-1920	5,124	1,796	3,322	5	1923	5,987	1,511	4,472	4
1921-1925	5,155	1,153	3,998	5	1924	5,306	1,232	4,068	6
1926-1930	5,556	1,273	4,275	9	1925	5,678	1,380	4,291	6
1907	2,070	904	1,165	(¹)	1926	6,214	1,403	4,803	8
1908	1,592	551	1,041	(¹)	1927	5,530	1,218	4,304	8
1909	1,887	755	1,132	(¹)	1928	5,385	1,285	4,092	9
1910	1,988	750	1,238	(¹)	1929	5,888	1,476	4,101	10
1911	1,924	681	1,243	(¹)	1930	4,765	983	3,773	9
1912	2,238	862	1,375	(¹)	1931	3,167	567	2,592	7
1913	2,434	879	1,554	(¹)	1932	2,462	284	2,172	6
1914	2,111	687	1,424	(¹)	1933	2,499	411	2,077	11
1915	2,395	992	1,400	2					

¹ Less than \$500,000.

Source. Bureau of Mines, Department of the Interior.

No. 665.—YEARLY AVERAGE PRICES OF NONFERROUS METALS

[Prices are cents per pound, except quicksilver (dollars per flask¹) and platinum (dollars per ounce)]

Year	Copper, electro- lytic (New York)	Lead (New York)	Tin ¹ (New York)	Zinc (St. Louis)	Alumi- num (New York)	Anti- mony (New York)	Quick- silver (New York)	Plati- num (New York)
1896-1900	² 13 41	3.84	19.54	⁴ 4 55	37.15	8.204	42.17	⁵ 16.66
1901-1905	13 877	4.330	28 194	⁴ 5.284	33.80	7.898	43.17	19.55
1906-1910	15 642	4.780	34 260	5 432	31.12	11.885	44.12	26.58
1910	12 738	4.446	34.123	5.370	22.97	7.386	47.06	32.70
1911	12.376	4.420	42 281	5.608	20.34	7.540	46.54	42.12
1912	16.341	4.471	46.096	6.799	22.52	7.760	42.46	45.55
1913	15.269	4.370	44 252	5.504	23.63	7.520	39.54	44.88
1914	13.602	3.862	34 301	5.061	18.60	8.763	48.31	45.14
1915	17 275	4.673	38.590	13.054	34.13	30.280	87.01	47.13
1916	27 202	6.858	43 480	12.634	60.73	25.370	125.49	83.40
1917	27.180	8.787	61.802	8.730	51.25	20.690	106.30	102.82
1918	⁷ 24.628	7.413	(⁹)	7.890	33.60	12.581	123.47	105.95
1919	18 691	5.759	63.328	6.988	32.14	8.190	92.15	114.61
1920	17.456	7.957	49.101	7.671	30.61	8.485	81.12	110.90
1921	12.502	4.545	29 916	4.655	21.21	4.957	45.46	75.03
1922	13.382	5.734	32 554	5.716	18.68	5.471	58.95	97.62
1923	14.421	7.267	42.664	6.607	25.41	7.897	66.50	116.54
1924	13.024	8.097	50.176	6.844	27.03	10.836	69.76	118.82
1925	14.042	9.020	57.893	7 622	27.19	17.494	83.13	119.09
1926	13.795	8.417	65.285	7.337	26.99	15.988	91.90	113.27
1927	12.920	6.759	64 353	6.242	25.41	12.393	118.16	84.64
1928	14 570	6.305	50 427	6.027	23.90	10.305	123.51	78.58
1929	18 107	6 833	45.155	6.512	23.90	8.956	122.14	67.66
1930	12.982	5 517	31.694	4.556	23.39	7.667	115.01	45.36
1931	8.116	4 243	24.467	3.640	22.90	6.720	87.35	35.67
1932	5 555	3 180	22 017	2.876	22.90	5 592	57.93	36.46
1933	7.025	3 869	39.110	4.029	22.90	6.528	59.23	30.99

¹ Flasks of 75 pounds prior to 1923, 76 thereafter
² 99 per cent tin, 1896 to 1919, Straits tin, there-
after.

³ Prices 1895 to 1898 are for Lake copper.

⁴ Data are for New York zinc.

⁵ Average for 1899 and 1900 only.

⁶ Average, 1903-1905, average for New York zinc, 1901-1905, 5.058 cents.

⁷ Average of 11 months.

⁸ No average computed.

Sources Engineering and Mining Journal; American Metal Market for aluminum, 1909-1933.

**No. 666.—MINES AND QUARRIES, PRODUCING AND NONPRODUCING:
PRINCIPAL STATISTICS FOR CONTINENTAL UNITED STATES, 1929**

NOTE.—Statistics are not comparable with those for earlier years shown in the 1931 and previous issues of the Statistical Abstract owing to the exclusion of data for the petroleum and natural-gas industries (no data having been collected in 1929) and the inclusion of data for the sand and gravel, glass-sand, and moulding-sand industries (data having been collected for the first time in 1929)

	All enter- prises	Producing enterprises	Nonproducing enter- prises	
			Number or amount	Per cent of total
Number of enterprises.....	10,996	10,135	861	7.8
Number of mines and quarries.....	12,506	11,602	904	7.2
Persons engaged, total.....	870,480	863,948	6,532	.8
Proprietors and firm members.....	4,929	4,897	32	.6
Salaried employees.....	53,331	52,633	698	1.3
Wage earners (average for the year).....	812,220	806,418	5,802	.7
Power equipment (total horsepower).....	7,584,463	7,514,843	69,620	.9
Prime movers.....	2,780,116	2,743,025	37,091	1.3
Electric motors driven by purchased energy.....	4,804,347	4,771,818	32,529	.7
Principal expenses, total.....1,000 dollars..	1,675,944	1,661,168	14,776	.9
Salaries.....do.....	139,023	137,639	1,384	1.0
Wages.....do.....	1,099,895	1,091,990	7,905	.7
Contract work.....do.....	17,914	17,056	857	4.8
Supplies.....do.....	207,554	203,568	3,986	1.3
Fuel.....do.....	49,364	49,146	213	.4
Purchased electric energy.....do.....	72,195	71,769	426	.6
Value of products.....do.....	2,392,931	2,392,831	-----	-----
Expenditures for development (included above in "Principal expenses").....1,000 dollars..	89,646	76,488	13,158	14.7
Machinery and other equipment purchased during the year (total cost).....1,000 dollars..	86,732	84,508	2,224	2.6

**No. 667. PRODUCING MINES AND QUARRIES. PRINCIPAL STATISTICS, CONTI-
NENTAL UNITED STATES**

	1909 ¹	1919 ¹	1929		Per cent in- crease or de- crease (—)	
			All indus- tries	Revised (for com- parative purposes) ¹	1909- 1919	1919- 1929
Number of enterprises.....	12,089	11,466	10,135	9,063	—5.2	—21.0
Number of mines and quarries.....	18,127	13,731	11,602	10,277	—24.3	—25.2
Persons engaged, total.....	982,329	952,565	863,948	841,652	—3.0	—11.6
Proprietors and firm members.....	13,703	7,695	4,897	4,629	—43.8	—39.8
Salaried employees.....	37,946	56,515	52,633	48,666	48.9	—13.9
Wage earners (average for the year).....	930,680	838,355	806,418	788,357	—4.5	—11.3
Power equipment (total horsepower).....	3,384,759	4,900,102	7,514,843	6,970,091	44.8	42.2
Prime movers.....	3,179,270	3,341,350	2,743,025	2,502,132	5.1	—25.1
Electric motors driven by purchased energy.....	205,489	1,558,752	4,771,818	4,467,959	658.6	186.6
Principal expenses (1,000 dollars)						
Salaries.....	46,093	115,861	137,639	126,008	151.4	8.8
Wages.....	559,546	1,161,415	1,091,990	1,066,606	107.6	—8.2
Contract work.....	12,151	10,717	17,056	16,595	—11.8	54.9
Supplies and materials.....		331,627	293,568	280,623		—15.4
Fuel.....		74,082	49,146	44,693		—39.7
Purchased electric energy.....	196,530	27,230	71,769	66,416	120.3	143.9
Value of products (1,000 dollars).....	1,052,569	2,226,671	2,392,831	2,280,384	111.5	2.4

¹ The figures for 1909, 1919, and 1929 have been adjusted to make them comparable
Source of Tables 666 and 667, Bureau of the Census, Department of Commerce

No. 668.—PRODUCING MINES AND QUARRIES: SUMMARY, BY STATES

NOTE.—Figures for 1919 and 1929 have been revised to make them comparable except for 1919 where data for revision were not available, and for certain States for 1929 where revision would result in disclosure of individual operations. Therefore, the totals for the United States are less than the sum of the figures for the States for both years and for geographic divisions for 1919; also the totals for most of the geographic divisions for 1929 are less than the sum of the figures for the States.

[Wages and value of products in thousands of dollars]

Division and State	Number of mines and quarries		Wage earners (average for the year)		Horsepower		Wages		Value of products	
	1919	1929	1919	1929	1919	1929	1919	1929	1919	1929
Continental U. S.	13,731	10,277	888,355	788,357	4,900,102	6,970,091	1,161,415	1,066,806	2,226,671	2,280,384
New England.....	334	347	7,913	7,979	62,725	96,422	8,038	11,560	18,723	27,929
Maine.....	51	56	979	1,170	6,277	12,076	1,052	1,577	1,523	3,468
New Hampshire.....	33	39	682	569	4,336	5,455	826	773	1,568	1,662
Vermont.....	109	129	2,936	3,154	28,099	39,906	3,042	4,153	8,555	10,276
Massachusetts.....	79	77	1,704	2,207	12,493	26,741	2,069	3,657	4,176	8,571
Rhode Island.....	15	14	369	256	3,000	4,237	400	385	952	809
Connecticut.....	47	42	543	761	8,520	10,756	647	1,220	1,649	3,810
Middle Atlantic.....	3,757	2,402	324,242	282,913	1,723,094	2,294,998	448,802	413,541	777,718	717,793
New York.....	147	206	5,334	5,021	61,143	102,389	6,410	7,480	15,230	24,272
New Jersey.....	102	71	4,576	2,906	33,901	50,171	5,393	4,309	9,309	11,100
Pennsylvania.....	3,508	2,129	314,332	275,138	1,628,050	2,143,828	434,999	401,988	753,179	653,531
East North Central.....	2,324	1,823	181,733	115,863	953,714	1,141,215	227,541	154,018	401,132	318,842
Ohio.....	1,064	744	44,175	25,600	184,271	182,003	51,767	29,117	89,035	51,757
Indiana.....	308	375	26,348	15,968	121,994	156,645	29,717	22,349	60,236	61,297
Illinois.....	590	486	76,371	52,164	282,801	398,602	90,901	71,828	147,410	124,772
Michigan.....	165	117	31,292	19,745	337,882	355,897	50,406	27,229	103,870	87,819
Wisconsin.....	107	104	3,547	2,617	26,766	49,158	4,750	3,545	10,521	10,401
West North Central.....	1,270	1,166	55,948	40,634	330,264	489,585	74,651	54,231	211,597	220,161
Minnesota.....	196	143	17,265	11,370	144,199	198,182	29,383	17,767	130,399	130,539
Iowa.....	226	207	11,274	6,766	32,166	38,945	12,466	8,806	18,474	14,648
Missouri.....	494	401	14,857	12,793	100,070	147,986	16,777	15,538	33,366	43,479
North and South Dakota.....	107	150	2,559	2,507	13,881	35,202	3,526	3,834	7,242	10,527
Nebraska.....	9	8	162	137	1,847	1,605	166	182	293	460
Kansas.....	238	257	9,531	7,061	38,101	67,665	12,333	8,104	21,823	20,688
South Atlantic.....	1,976	1,481	117,405	130,236	510,985	971,549	138,860	155,870	252,555	288,757
Delaware and Dist. of Col.....	11	6	128	104	757	901	144	120	259	268
Maryland.....	161	119	5,628	3,987	18,660	23,967	6,152	4,125	9,699	7,341
Virginia.....	216	196	14,647	15,015	57,880	107,316	16,108	14,554	29,363	28,706
West Virginia.....	1,325	870	88,510	101,085	366,028	664,530	107,162	128,418	196,088	222,317
North Carolina.....	106	123	1,890	2,436	5,039	20,348	1,489	2,193	2,737	5,631
South Carolina.....	20	35	933	1,298	4,656	18,470	680	930	1,351	3,093
Georgia.....	82	81	2,397	3,065	12,996	34,396	2,017	2,898	4,082	9,439
Florida.....	55	65	3,372	3,061	44,969	106,384	3,108	3,046	8,976	13,525
E. South Central and W. South Central.....	1,970	1,491	109,793	120,698	481,635	839,583	122,187	127,551	225,570	263,629
Kentucky.....	864	617	41,444	57,569	135,093	310,664	46,905	65,442	75,157	102,502
Tennessee.....	263	167	14,470	11,441	56,675	73,772	12,987	10,332	23,292	22,050
Alabama.....	348	242	32,579	31,674	145,775	265,666	36,230	30,693	59,866	53,263
Arkansas.....	126	121	3,614	4,744	20,748	30,620	4,547	4,565	7,783	9,796
Louisiana and Mississippi.....	4	2	387	94	6,886	590	469	100	8,001	220
Oklahoma.....	284	245	12,734	10,047	94,939	98,481	16,060	13,318	34,430	31,560
Texas.....	81	104	4,565	5,190	21,514	60,394	4,989	6,151	17,041	44,334
Mountain.....	1,598	1,094	79,234	78,896	700,398	980,410	127,506	132,711	299,454	397,995
Montana.....	269	169	16,091	14,575	143,473	201,749	25,666	25,718	49,666	64,774
Idaho.....	83	65	2,455	4,226	31,059	67,295	4,202	7,420	11,840	20,746
Wyoming.....	87	73	7,532	5,282	49,864	50,555	11,090	9,664	19,969	18,817
Colorado.....	523	333	10,710	14,493	114,445	116,592	25,263	22,267	51,063	41,205
New Mexico.....	103	89	7,100	6,080	59,876	90,961	10,494	10,118	18,873	17,122
Arizona.....	172	134	15,268	16,533	185,076	201,456	28,193	28,238	88,478	116,135
Utah.....	154	131	9,847	12,149	85,818	179,475	17,197	21,225	41,511	82,543
Nevada.....	207	104	4,231	4,685	50,786	72,915	7,401	8,104	18,054	26,495
Pacific.....	502	473	12,790	11,138	137,386	156,329	17,840	17,122	39,966	45,278
Washington.....	93	90	5,050	3,652	37,998	39,321	7,466	5,796	13,329	12,271
Oregon.....	52	44	740	635	6,264	7,249	993	958	1,885	2,410
California.....	357	340	7,000	6,859	93,124	110,019	9,381	10,382	24,752	30,639

Source. Bureau of the Census, Department of Commerce.

No. 669.— PRODUCING MINES AND QUARRIES: SUMMARY BY INDUSTRIES, CONTINENTAL UNITED STATES

NOTE.— Figures for 1919 and 1929 for the limestone, sandstone, abrasive materials, and silica industries are not strictly comparable, owing to the inclusion or exclusion of data for 1929 not similarly treated for 1919. For the limestone industry, data for quarrying operations of lime and cement manufacturers are included in the figures for 1929 but not in those for 1919. For the sandstone industry, data for enterprises whose product was ground into glass or molding sand, or used as refractory materials (siliceous mica schist and ganister), etc., are included in the figures for 1919 but excluded from those for 1929 and included in the figures for the glass-sand, molding-sand, abrasive-materials, or silica industries, according to the nature and purpose of the final product. Data for diatomaceous earth are included in the figures for abrasive materials in 1919 and in those for silica in 1929.

[Wages and value of products in thousands of dollars]

Industry	Number of mines and quarries		Wage earners (average for the year)		Horsepower		Wages		Value of products	
	1919	1929	1919	1929	1919	1929	1919	1929	1919	1929
All industries¹	13, 731	10, 277	888, 355	788, 357	4, 900, 102	6, 970, 091	1, 161, 415	1, 066, 606	2, 226, 671	2, 280, 384
Coal:										
Anthracite.....	421	303	147, 372	142, 801	899, 783	1, 041, 465	210, 289	229, 967	364, 084	384, 854
Bituminous.....	8, 282	5, 620	545, 798	458, 732	2, 155, 065	3, 124, 187	682, 601	574, 800	1, 145, 978	966, 694
Metals:										
Copper.....	226	180	43, 717	44, 502	522, 426	701, 791	66, 390	73, 200	181, 258	283, 517
Iron ore.....	406	208	45, 741	28, 516	370, 859	498, 821	75, 713	40, 905	218, 218	197, 335
Lead and zinc.....	473	375	21, 884	26, 907	229, 401	367, 737	80, 708	39, 192	75, 679	112, 428
Gold and silver, lode mines.....	799	288	15, 436	7, 946	149, 100	98, 772	23, 818	12, 982	58, 832	26, 107
Gold, placermine.....	132	37	1, 380	578	35, 632	20, 280	1, 914	970	9, 869	3, 779
Mercury.....	26	40	748	1, 029	2, 607	5, 625	828	1, 384	1, 803	2, 820
Manganese.....	37	21	909	354	5, 800	2, 342	1, 056	392	2, 188	1, 185
Stone:										
Limestone.....	925	1, 256	22, 069	32, 300	213, 717	535, 466	23, 926	39, 188	52, 944	117, 258
Granite.....	381	434	8, 049	10, 037	55, 614	108, 217	8, 588	12, 640	18, 279	30, 381
Basalt.....	174	144	3, 336	3, 053	37, 307	63, 881	3, 991	4, 498	9, 658	15, 544
Slate.....	104	130	3, 513	4, 098	20, 613	33, 817	3, 128	4, 884	5, 721	10, 486
Marble.....	62	88	1, 732	3, 350	15, 628	30, 198	1, 452	3, 292	4, 398	7, 539
Sandstone.....	276	172	4, 287	2, 156	33, 869	28, 935	4, 449	2, 626	10, 685	6, 312
Miscellaneous.....	(²)	234	(²)	1, 841	(²)	28, 527	(²)	2, 406	(²)	8, 475
Miscellaneous:										
Abrasive materials ³	34	36	317	462	1, 748	3, 898	322	491	722	1, 411
Asbestos.....	11	11	146	195	420	2, 114	92	237	250	397
Asphalt and bituminous rock.....	12	25	324	1, 123	648	13, 109	295	1, 255	750	5, 124
Barite.....	98	44	919	844	3, 029	6, 066	769	648	1, 592	1, 801
Clay.....	350	236	5, 453	4, 189	21, 203	31, 877	5, 367	3, 758	10, 086	10, 753
Feldspar.....	32	58	349	598	1, 782	6, 543	264	527	584	1, 935
Fluorspar.....	72	36	1, 124	1, 053	7, 138	6, 513	1, 196	1, 112	3, 335	2, 858
Fullers and filtering earths.....	9	24	824	991	2, 538	8, 221	541	853	2, 019	4, 812
Gypsum.....	48	63	2, 191	2, 078	15, 032	26, 498	2, 478	2, 628	6, 806	5, 740
Magnetite.....	11	5	448	351	2, 540	3, 197	652	466	2, 170	2, 044
Mica.....	69	32	448	226	803	1, 721	288	195	607	516
Millstones and pulpstones.....	11	14	37	164	220	2, 517	48	221	65	621
Minor metals ⁴	37	30	1, 371	1, 244	6, 051	13, 469	1, 690	1, 507	3, 916	6, 650
Phosphate rock.....	69	33	4, 373	3, 201	49, 639	104, 146	3, 901	3, 304	10, 300	13, 044
Silica ⁵	29	73	166	1, 433	2, 032	11, 771	166	1, 677	372	4, 645
Sulphur and pyrites.....	22	10	2, 301	2, 199	22, 629	33, 932	3, 067	3, 483	20, 345	37, 126
Talc and soapstone.....	30	28	958	550	7, 053	10, 530	835	615	2, 302	2, 688
Miscellaneous minerals ⁶	47	19	604	305	8, 040	3, 978	516	301	1, 350	3, 503
Sand, glass.....	32	32	1, 030	1, 030	13, 215	13, 215	1, 314	1, 314	5, 359	5, 359
Sand, molding.....	128	128	1, 037	1, 037	14, 792	14, 792	1, 291	1, 291	4, 776	4, 776
Sand and gravel.....	1, 165	1, 165	15, 994	15, 994	516, 745	516, 745	22, 780	22, 780	102, 312	102, 312

¹ For 1919 includes, besides those specified, statistics for 15 enterprises in the chromite industry, the value of products of this industry was less than one-tenth of 1 per cent of the total for all industries. For 1929 does not include data for the glass-sand, molding-sand, and sand and gravel industries, no data having been collected for these industries in 1919.

² Distributed among other stones.

³ Emery, garnet and industrial sapphires and diamonds; grinding pebbles and tube-mill lining, grindstones, oilstones, whetstones, scythesstones, and rubbing stones; pumice and volcanic ash (pumicite).

⁴ Bauxite, molybdenum, titanium, tungsten, vanadium.

⁵ Diatomaceous earth, ganister, quartz, quartzite, silica rock, silica sand, siliceous mica schist, tripoli.

⁶ Borates, cyanite, graphite, lithium minerals (amblygonite, lepidolite, and spodumene), mineral pigments, tantalum, vermiculite.

Source Bureau of the Census, Department of Commerce

No. 670.—PRODUCING MINES AND QUARRIES: SIZE OF ENTERPRISES ACCORDING TO NUMBER OF WAGE EARNERS, CONTINENTAL UNITED STATES, 1929

Industry and wage earners per enterprise	Number of enterprises	Number of mines and quarries	Wage earners		Industry and wage earners per enterprise	Number of enterprises	Number of mines and quarries	Wage earners	
			Average for year	Per cent				Average for year	Per cent
All industries¹	10, 099	11, 586	806, 418	100 0	Copper—Continued.				
Not reported.....	31	34			6 to 20.....	40	41	496	1 1
1 to 5.....	2, 742	2, 799	8, 194	1 0	21 to 50.....	14	17	398	9
6 to 20.....	3, 004	3, 217	34, 079	4 2	51 to 100.....	12	13	877	2 0
21 to 50.....	1, 611	1, 795	53, 183	6 6	101 to 250.....	11	13	1, 859	4 2
51 to 100.....	1, 055	1, 201	76, 362	9 5	251 to 500.....	10	15	3, 393	7 6
101 to 250.....	938	1, 267	158, 623	19 7	501 to 1,000.....	7	9	5, 096	11 5
251 to 500.....	416	607	145, 883	18 1	1,001 to 2,500.....	11	13	32, 279	72 5
501 to 1,000.....	169	274	110, 931	13 8	2,501 and over.....	3	24		
1,001 to 2,500.....	60	183	87, 279	10 8	Limestone	1, 165	1, 254	32, 300	100 0
2,501 and over.....	23	184	131, 884	16 3	1 to 5.....	283	286	597	2 8
Anthracite	198	303	142, 801	100 0	6 to 20.....	438	465	5, 400	16 7
1 to 5.....	31	31	85	1	21 to 50.....	288	312	9, 313	28 8
6 to 20.....	20	21	221	2	51 to 100.....	107	119	7, 436	23 0
21 to 50.....	21	21	710	5	101 to 250.....	41	58	6, 398	19 8
51 to 100.....	17	18	1, 113	8	251 to 500.....	6	6	2, 856	8 9
101 to 250.....	32	34	5, 052	3 5	501 to 1,000.....	2	8		
251 to 500.....	19	19	6, 983	4 9	Iron ore	180	208	28, 516	100 0
501 to 1,000.....	34	36	23, 291	16 3	1 to 5.....	7	7	20	1
1,001 to 2,500.....	11	24	17, 255	12 1	6 to 20.....	13	13	153	5
2,501 and over.....	13	99	88, 091	61 6	21 to 50.....	29	32	949	3 3
Bituminous coal	4, 976	5, 620	458, 732	100 0	51 to 100.....	45	46	3, 452	12 1
1 to 5.....	1, 384	1, 384	3, 979	9	101 to 250.....	59	76	9, 663	33 9
6 to 20.....	1, 109	1, 123	12, 316	2 7	251 to 500.....	16	20	5, 262	18 5
21 to 50.....	676	720	23, 169	5 1	501 to 1,000.....	10	11	9, 017	31 6
51 to 100.....	619	692	45, 624	9 9	1,001 to 2,500.....	1	3		
101 to 250.....	708	830	114, 505	25 0	Sand and gravel	957	1, 165	15, 994	100 0
251 to 500.....	334	472	116, 890	25 4	1 to 5.....	263	292	976	6 1
501 to 1,000.....	105	196	67, 093	14 6	6 to 20.....	485	561	5, 216	32 6
1,001 to 2,500.....	34	142	47, 404	10 3	21 to 50.....	160	214	4, 964	31 0
2,501 and over.....	7	61	27, 752	6 1	51 to 100.....	31	49	2, 175	13 6
Copper	143	180	44, 502	100 0	101 to 250.....	17	48	2, 663	16 7
Not reported.....	2	2			251 to 500.....	1	1		
1 to 5.....	33	33	104	2					

¹ Exclusive of 36 enterprises operating 36 mines which employed no wage earners.

No. 671.—PRODUCING MINES AND QUARRIES, HOURS OF LABOR, 1929

NOTE—This table does not include data for enterprises having products valued at less than \$20,000. To avoid disclosing data for individual establishments, the figures for certain groups are combined and printed in *italics*. An (x) shows where an omission results

Industry	Wage earners (average for the year)—total	Wage earners in mines where the prevailing hours of labor per week were—						
		Under 36	36 and over but under 40	40	Over 40 but under 48	48	Over 48 but under 63	63 and over
All industries	792, 395	51, 023	5, 784	29, 293	26, 506	528, 394	144, 091	7, 394
Coal, anthracite.....	142, 801	912		30	3, 186	138, 226	447	(x)
Coal, bituminous.....	447, 125	49, 602	5, 587	26, 842	14, 589	320, 718	29, 427	360
Copper.....	44, 234	(x)			(x)	24, 416	19, 818	
Limestone.....	31, 578	118	(x)	450	307	4, 652	25, 052	999
Iron ore.....	28, 516			424	974	15, 103	12, 015	(x)
Sand and gravel.....	15, 994	70	(x)	273	339	1, 273	11, 850	2, 189
Lead.....	13, 831	(x)				6, 634	6, 734	463
Zinc.....	11, 861		(x)		(x)	5, 897	6, 362	102
Granite.....	9, 806	44	97	595	4, 239	2, 326	2, 505	
Gold, lode.....	5, 079	(x)				1, 971	3, 108	(x)
Gold, placer.....	534	(x)				39	495	
Clay.....	4, 139	78	(x)	98	281	744	2, 021	917
Slate.....	4, 027	191		(x)	925	52	2, 659	(x)
Marble.....	3, 308	(x)	(x)		217	94	2, 987	(x)
Basalt.....	3, 016			127	(x)	406	2, 392	91
Silver.....	2, 451	(x)				90	2, 361	(x)
Sandstone.....	2, 058	(x)		137	344	399	1, 178	(x)
Stone, miscellaneous.....	1, 569		(x)		74	381	892	222
Other industries.....	20, 468	123	1	169	933	5, 001	13, 660	581

(1) Number of hours not reported.

Source of Tables 670 and 671: Bureau of the Census, Department of Commerce.

No. 672.—MINERAL PRODUCTION, BY STATES

NOTE.—Iron ore, not pig iron, is taken as the basis of valuation of iron and in the case of other metals, mine production (recoverable content of metals) is the basis

[Values in thousands of dollars]

Division and State	1926	1927	1928	1929	1930	1931	1932
Continental United States	5, 485, 743	4, 888, 555	4, 708, 113	5, 164, 963	4, 249, 935	2, 854, 199	2, 284, 598
New England	50, 707	48, 531	49, 053	49, 101	40, 619	32, 370	21, 383
Maine.....	5, 786	5, 476	5, 923	6, 749	6, 228	4, 889	3, 174
New Hampshire.....	4, 145	3, 447	3, 816	3, 726	3, 337	2, 796	1, 352
Vermont.....	14, 955	14, 703	14, 649	14, 603	11, 637	8, 422	6, 401
Massachusetts.....	16, 787	16, 295	16, 234	16, 031	12, 723	11, 170	8, 039
Rhode Island.....	1, 339	1, 311	831	940	1, 209	793	506
Connecticut.....	7, 695	7, 299	7, 600	7, 053	5, 485	4, 300	1, 911
Middle Atlantic	1, 244, 848	1, 122, 074	1, 080, 381	1, 074, 167	935, 351	714, 283	497, 688
New York.....	112, 016	112, 210	108, 026	109, 361	99, 622	78, 007	49, 881
New Jersey.....	77, 066	73, 091	70, 865	71, 892	57, 206	41, 633	23, 073
Pennsylvania.....	1, 055, 766	936, 773	881, 490	892, 914	778, 523	594, 643	424, 734
East North Central	761, 391	680, 742	642, 488	676, 012	543, 627	364, 475	236, 421
Ohio.....	253, 884	226, 963	211, 041	220, 061	186, 972	130, 928	87, 997
Indiana.....	118, 092	107, 578	98, 584	96, 962	79, 227	50, 852	34, 603
Illinois.....	237, 242	180, 394	188, 099	182, 791	148, 311	108, 066	71, 693
Michigan.....	130, 861	124, 030	123, 826	151, 976	111, 406	62, 786	34, 714
Wisconsin.....	20, 712	21, 777	20, 938	24, 222	17, 711	11, 843	7, 414
West North Central	423, 120	347, 534	348, 016	392, 950	325, 710	192, 733	133, 564
Minnesota.....	118, 361	102, 973	108, 275	136, 350	103, 931	55, 275	12, 273
Iowa.....	35, 972	33, 426	35, 499	35, 955	33, 358	21, 615	18, 523
Missouri.....	90, 004	75, 890	74, 981	78, 948	69, 074	41, 806	29, 245
North Dakota.....	2, 805	2, 870	3, 083	3, 466	3, 056	2, 271	2, 386
South Dakota.....	7, 595	8, 464	9, 443	8, 914	11, 076	11, 339	11, 118
Nebraska.....	3, 322	3, 542	3, 455	4, 845	4, 962	3, 623	1, 548
Kansas.....	165, 061	120, 369	113, 280	124, 472	100, 253	56, 804	58, 471
South Atlantic	519, 412	481, 112	440, 831	450, 973	380, 543	289, 619	199, 741
Delaware.....	378	493	482	467	425	395	300
Maryland.....	24, 067	20, 469	18, 418	18, 470	14, 990	11, 330	7, 234
District of Columbia.....	987	1, 375	1, 031	1, 065	1, 288	282	1, 819
Virginia.....	46, 136	41, 323	38, 770	39, 753	34, 603	26, 160	16, 927
West Virginia.....	395, 942	360, 643	336, 637	346, 565	290, 119	221, 735	156, 643
North Carolina.....	10, 993	11, 704	11, 480	10, 964	7, 462	5, 554	2, 466
South Carolina.....	3, 677	4, 251	4, 046	3, 592	3, 341	3, 031	951
Georgia.....	17, 480	16, 758	14, 740	15, 294	12, 831	10, 291	6, 293
Florida.....	19, 752	18, 096	15, 227	14, 804	15, 484	10, 851	7, 108
East South Central	271, 658	271, 634	243, 628	241, 344	201, 427	140, 224	95, 527
Kentucky.....	146, 768	152, 614	131, 970	132, 650	111, 691	74, 568	59, 076
Tennessee.....	39, 297	37, 875	39, 217	40, 720	32, 499	24, 461	14, 562
Alabama.....	83, 710	78, 641	69, 807	65, 402	55, 462	38, 507	19, 170
Mississippi.....	1, 883	2, 554	2, 634	2, 573	1, 775	2, 388	2, 719
West South Central	1, 136, 798	1, 009, 814	987, 071	1, 116, 555	947, 374	564, 491	651, 545
Arkansas.....	84, 486	59, 449	45, 010	41, 325	34, 901	18, 692	15, 540
Louisiana.....	62, 204	51, 287	56, 810	62, 726	71, 929	61, 693	60, 921
Oklahoma.....	569, 519	524, 595	486, 634	516, 685	390, 171	181, 905	185, 121
Texas.....	420, 587	374, 503	378, 617	495, 820	450, 373	302, 201	389, 963
Mountain	526, 261	458, 780	493, 577	579, 548	369, 988	231, 619	146, 294
Montana.....	79, 763	65, 265	74, 752	93, 842	50, 995	32, 360	19, 017
Idaho.....	31, 753	29, 184	28, 589	32, 143	22, 904	13, 177	9, 478
Wyoming.....	78, 988	56, 167	52, 951	51, 237	46, 735	30, 893	27, 343
Colorado.....	65, 597	58, 855	58, 595	55, 332	46, 271	32, 970	25, 800
New Mexico.....	28, 514	28, 609	30, 427	37, 128	31, 550	25, 350	20, 264
Arizona.....	115, 048	100, 559	116, 000	157, 960	82, 934	41, 603	15, 204
Utah.....	98, 985	90, 388	97, 381	115, 131	64, 224	40, 302	22, 620
Nevada.....	27, 613	26, 753	34, 882	36, 776	24, 075	14, 964	6, 568
Pacific	551, 550	488, 284	463, 068	584, 313	505, 296	324, 385	302, 435
Washington.....	21, 257	21, 966	22, 120	22, 435	20, 076	14, 801	12, 817
Oregon.....	6, 941	6, 821	6, 687	6, 877	6, 170	5, 045	2, 939
California.....	523, 352	459, 497	434, 261	555, 001	479, 050	304, 539	286, 629
Alaska	17, 607	14, 402	14, 024	15, 947	13, 707	12, 371	11, 526

Source: Bureau of Mines, Department of the Interior.

No. 673.—MINERAL PRODUCTS OF THE UNITED STATES: QUANTITIES AND VALUES

NOTE.—Data cover continental United States and, for leading products, outlying areas. Certain of the figures represent shipments rather than quantity mined, and some of the figures for 1933 are estimates. Blank spaces indicate absence of data in most cases; method of computing total value is indicated by footnotes. Short tons are 2,000 pounds; long tons, 2,240 pounds

Products	Quantity						Value in thousands of dollars					
	1915	1920	1925	1930	1932	1933	1915	1920	1925	1930	1932	1933
METALLIC												
Aluminum.....1,000 pounds.....	23, 224	138, 000	140, 000	229, 035	104, 885	85, 126	16, 280	41, 375	36, 430	50, 961	20, 453	16, 174
Antimonial lead.....short tons.....	12, 535	19, 667	19, 667	13, 711	(1)	(1)	3, 666	1, 963	3, 768	1, 393	(1)	(1)
Antimony.....do.....	2, 364	2, 785	2, 624	1, 685	1, 776	(1)	2, 374	1, 473	1, 918	1, 258	(1)	923
Bauxite.....long tons.....	297, 041	621, 308	316, 540	330, 612	96, 349	154, 176	1, 515	3, 247	1, 988	1, 928	(1)	(1)
Chromium.....pounds.....	91, 415	129, 263	502, 824	2, 777, 762	798, 501	2, 276, 933	108	181	277	1, 718	(1)	12
Chromite.....long tons.....	3, 281	2, 502	108	80	155	843	37	45	2	2	(1)	(1)
Copper, sales value.....1,000 pounds.....	1, 388, 014	1, 209, 061	1, 674, 870	1, 894, 389	544, 010	440, 999	242, 002	222, 467	237, 832	181, 271	34, 273	28, 800
Copper, sales value.....long tons.....	388, 014	612, 808	616, 222	650, 240	218, 046	421, 423	17, 450	77, 519	53, 048	51, 900	14, 004	28, 654
ferro-alloys.....long tons.....	4, 888	2, 476	2, 412	2, 286	2, 449	2, 586	101, 036	51, 187	69, 060	47, 248	50, 636	66, 338
Gold.....1,000 troy ounces.....	55, 493	66, 281	63, 925	55, 201	5, 331	24, 624	101, 289	1, 285, 006	1, 145, 797	1, 145, 797	1, 12, 808	7, 63, 776
Iron.....long tons.....	30, 384	35, 710	36, 815	29, 805	8, 518	14, 353	401, 410	1, 140, 904	739, 816	512, 165	126, 633	213, 348
Lead (refined), sales value.....short tons.....	507, 026	476, 849	654, 921	673, 740	255, 337	259, 616	47, 660	76, 296	113, 066	57, 374	15, 320	10, 212
Manganese ore (35 per cent or more Mn).....long tons.....	9, 613	94, 420	98, 324	67, 035	17, 777	18, 558	113	2, 396	1, 858	1, 437	377	452
Manganiferous ore (5 to 35 per cent Mn).....long tons.....	195, 735	787, 664	1, 448, 054	785, 390	25, 434	191, 631	817	2, 438	3, 752	2, 402	92	529
Mercury, metal.....flasks (76 pounds net).....	20, 756	13, 216	9, 053	21, 553	12, 622	9, 402	1, 805	1, 067	763	2, 479	731	557
Mercury ore.....short tons.....	189, 000	106, 000	65, 000	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Nickel (value at New York City).....do.....	822	365	272	308	195	128	638	283	170	214	89	63
Ores (crude), fallings, etc.:.....												
Copper.....1,000 short tons.....	43, 404	36, 765	53, 262	47, 322	12, 319	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Copper-lead and copper-lead zinc.....do.....	11	27	229	245	167	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Dry and siliceous (gold and silver).....do.....	12, 087	8, 590	8, 995	7, 767	8, 226	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Lead.....do.....	7, 497	7, 200	8, 560	8, 080	4, 454	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Lead-zinc.....do.....	18, 176	12, 383	17, 741	10, 645	3, 336	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Zinc.....do.....	2, 651	3, 411	5, 980	1, 184	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Platinum and allied metals (value at New York City).....troy ounces.....	8, 665	41, 544	49, 643	43, 692	17, 616	51, 539	470	4, 698	5, 662	2, 049	592	1, 631
Silver.....1,000 troy ounces.....	74, 961	55, 362	66, 155	50, 745	23, 981	23, 063	37, 397	60, 892	45, 912	10, 538	6, 733	8, 051
Tin (metallic equivalent).....short tons.....	102	22	14	17	(1)	(1)	22	22	16	10	(1)	2
Titanium ore (ilmenite).....do.....	250	277	46	(1)	(1)	(1)	28	(1)	11	(1)	(1)	(1)
Tungsten ore (60 per cent concentrates).....do.....	2, 332	216	1, 100	702	396	885	4, 100	102	756	509	218	514
Uranium and vanadium ores.....do.....	35, 076	13, 070	13, 070	(1)	(1)	105	684	2, 401	331	(1)	(1)	4
Zinc, sales value.....do.....	438, 135	450, 045	555, 631	459, 361	207, 148	306, 010	113, 617	72, 907	84, 456	46, 979	12, 429	25, 705
Total metallic products (approximate)							991, 730	1, 769, 350	1, 580, 290	983, 550	283, 700	411, 300

For footnotes see p. 663.

No. 673.—MINERAL PRODUCTS OF THE UNITED STATES: QUANTITIES AND VALUES—Continued

Products	Quantity						Value in thousands of dollars					
	1915	1920	1925	1930	1932	1933	1915	1920	1925	1930	1932	1933
NONMETALLIC												
Arsenious oxide.....short tons.....	5,498	11,502	12,317	17,425	12,483	11,797	302	2,021	1,199	1,008	651	636
Asbestos.....do.....	1,731	1,648	1,253	4,242	3,559	4,745	77	678	52	289	105	131
Asphalt.....do.....	740,254	898,993	534,850	702,777	340,019	313,135	5,242	13,199	4,148	4,463	1,943	1,706
Oil (including road oil).....do.....	1,206,700	2,275,546	2,206,700	2,275,546	2,308,785	2,122,443	115,306	1,199	115,306	21,670	7,14,988	7,15,946
Baryte (crude).....do.....	68,547	228,113	228,063	224,362	123,854	167,880	381	2,142	1,703	1,538	1,048	853
Borates.....do.....	107,043	120,320	113,700	177,360	181,915	188,047	1,677	2,173	3,086	5,352	3,024	3,436
Bromine.....do.....	67,853	1,181	1,566	8,463	5,728	10,148	856	745	488	2,110	1,183	2,040
Bromine.....1,000 pounds.....	20,835	27,840	67,870	116,160	66,288	57,813	131	539	1,387	2,208	1,183	893
Calcium-magnesium chloride.....short tons.....	87,685	97,079	169,047	150,846	81,368	10,64,086	75,155	105,880	281,076	231,249	82,718	10,83,965
Cement.....1,000 bbls (376 lbs. net).....	2,363	3,116	4,090	3,993	1,392	1,840	160,080	373,670	112,347	11,275,134	11,89,024	(12)
Clay.....do.....	442,624	598,667	520,053	457,528	306,710	327,940	7,9,972	7,11,614	7,12,737	7,12,521	7,5,202	7,6,841
Coal.....do.....	88,995	89,698	61,817	63,385	49,855	49,399	502,038	2,123,933	1,060,402	795,483	406,677	445,998
Bituminous.....do.....	41,881	51,345	47,972	47,972	21,789	27,555	184,653	434,252	827,665	354,574	222,375	213,400
Coke.....do.....	35,304	102,155	102,418	14,775	14,775	11,20,878	7105,604	7,494,246	7,292,559	7,293,137	7,104,337	7,122,844
Diatomite and tripoli.....short tons.....	3,063	2,327	769	555	250	1,056	167	1,649	1,357	11,508	14,233	14,350
Emerald.....do.....	92,855	135,551	185,706	171,738	104,715	150,633	31	22	1,316	1,087	540	779
Feldspar (crude).....do.....	136,941	186,778	113,069	93,849	25,251	72,930	480	851	1,316	1,087	540	779
Fluorapatite.....short tons.....	47,901	128,457	336,044	252,902	251,188	251,188	764	4,719	2,052	1,747	302	1,089
Garnet for abrasive purposes.....do.....	4,301	5,476	8,429	6,093	1,950	2,794	489	2,506	2,924	4,327	2,441	2,316
Gems and precious stones.....do.....	1,181	4,694	3,536	1,941	(1)	(1)	170	265	(15)	(15)	(15)	(15)
Graphite.....do.....	7,074	9,632	2,257	(1)	(1)	(1)	12	50	40	21	(1)	(1)
Amorphous.....short tons.....	53,484	37,340	18,700	7,668	7,668	14,176	417	576	57	(1)	(1)	(1)
Crystalline.....1,000 pounds.....	2,448	3,129	5,678	3,471	1,416	1,335	648	1,707	1,706	771	247	444
Groundstones and pulpstones.....short tons.....	3,623	3,570	4,581	3,388	1,960	2,224	6,397	24,533	47,577	27,051	12,906	11,927
Gypsum.....do.....	30,499	303,767	120,660	129,320	38,462	108,187	14,424	37,544	42,609	25,616	12,302	14,006
Line.....do.....	3,959	5,723	9,695	7,040	7,040	8,751	274	2,748	1,433	1,083	283	840
Magnesite (crude).....short tons.....	3,959	5,723	9,695	7,040	7,040	8,751	51	167	174	109	84	98
Mica.....do.....	554	1,683	1,794	1,465	339	305	378	547	322	177	46	53
Scrap.....do.....	57,442	143,244	109,190	147,948	92,812	124,355	552	(16)	(16)	(16)	(16)	(16)
Millstones.....do.....	141,383	52,114	36,218	(15)	(15)	(15)	14,962	24,565	28,311	18,420	9,821	13,194
Mineral pigments.....short tons.....	628,579	798,210	1,138,571	1,943,421	1,555,900	1,480,000	6,139	106,194	265,271	416,090	384,632	375,000
Zinc and lead pigments.....do.....	66,365	384,744	1,127,477	2,210,404	1,523,800	1,411,600	101,312	106,194	265,271	416,090	384,632	375,000
Mineral waters.....1,000,000 cu. ft.....	42,284	73,204	72,436	651	331	587	6,115	71,788	120,383	128,100	49,244	53,640
Natural gas.....do.....	42,284	73,204	72,436	651	331	587	289	922	453	137	64	97
Natural gasoline.....1,000 gallons.....	42,284	73,204	72,436	651	331	587	289	922	453	137	64	97
Oilstones, etc.....do.....	42,284	73,204	72,436	651	331	587	289	922	453	137	64	97
Peat.....do.....	42,284	73,204	72,436	651	331	587	289	922	453	137	64	97

Petroleum.....1,000 barrels (42 gals.).....	281, 104	442, 929	763, 743	898, 011	758, 159	898, 874	179, 463	1, 360, 745	1, 284, 960	1, 070, 200	680, 460	540, 000
Phosphate rock.....1,000 long tons.....	1, 886	4, 104	3, 482	3, 026	1, 707	2, 400	5, 413	25, 080	11, 546	13, 997	5, 738	7, 872
Potash (K ₂ O).....short tons.....	1, 080	41, 444	23, 802	50, 010	55, 020	139, 007	342	7, 463	1, 204	2, 086	2, 103	5, 297
Pumice.....do.....	27, 708	41, 838	40, 380	56, 943	53, 214	61, 220	63	114	179	336	235	242
Pyrites.....long tons.....	394, 124	310, 777	170, 081	347, 512	189, 703	285, 311	1, 676	1, 597	660	18, 129	18, 499	19, 770
Salt.....1,000 short tons.....	5, 352	6, 840	7, 398	8, 054	6, 408	7, 605	11, 748	29, 894	26, 162	25, 069	19, 939	22, 318
Sand:.....												
Glass.....1,000 short tons.....	1, 884	2, 166	2, 335	1, 849	1, 370	1, 820	1, 007	4, 749	3, 836	3, 211	2, 267	(¹)
Molding, building, etc., and gravel.....do.....	74, 719	79, 875	169, 667	195, 203	118, 698	102, 180	21, 615	60, 913	103, 706	111, 966	55, 266	(¹)
Sand-lime brick.....thousands.....	179, 643	169, 761	11, 315	191, 193	11, 523	533	1, 135	2, 400	11, 381	11, 951	11, 433	(¹)
Silica (quartz).....short tons.....	112, 575	68, 190	25, 444	13, 156	7, 487	11, 153	320	3, 200	11, 781	121	59	71
Slate.....do.....												
Stone.....1,000 long tons.....	468, 700	724, 600	463, 610	284, 240	263, 620	4, 959	8, 726	12, 575	17, 912	7, 912	3, 104	2, 696
Sulphur.....1,000 long tons.....	78, 527	115, 851	126, 990	170, 044	10, 044	79, 000	74, 683	133, 542	174, 217	178, 949	19, 87, 004	19, 87, 400
Sulphuric acid (60° Baumé) from copper and zinc smelters.....1,000 short tons.....	264	1, 518	1, 888	1, 099	1, 099	1, 637	4, 969	36, 000	29, 000	36, 800	20, 000	20, 500
Talc and soapstone.....	20, 905	21, 230	1, 007	1, 188	600	658	7, 621	13, 017	7, 513	9, 544	4, 029	4, 338
Talc and soapstone.....short tons.....	186, 881	210, 635	182, 256	179, 385	123, 221	150, 554	1, 892	3, 035	21, 012	21, 108	21, 362	21, 681
Total nonmetallic products (approximate).....							1, 400, 494	5, 214, 170	4, 931, 100	3, 773, 400	2, 172, 000	2, 076, 900
SUMMARY OF VALUES												
Metallic products.....												
Nonmetallic products (exclusive of fuels).....												
Mineral fuels.....												
"Unspecified" (metallic and nonmetallic) products (partly estimated).....												
Grand total (approximate).....												

1 From both domestic and foreign ores. No comparable data for 1932 and 1933; estimate of value of primary antimony and lead contents of antimonial lead from domestic sources included in total value of metallic products.

2 Content of antimonial lead. Value excluded from metallic total as the value of the antimony is included in the antimonial lead value.

3 All from foreign ore. Value not included in total value. Bureau of Mines not at liberty to publish value for 1932 and figures for 1933.

4 Value included in total value of metallic or nonmetallic products. Bureau of Mines not at liberty to publish figures.

5 Valued at \$20 67+ per ounce prior to 1933. In 1933 includes \$52,842,000, calculated by Bureau of the Mint at legal coinage value (\$20 67+ per ounce), plus \$12,465,000 premium, calculated by Bureau of Mines at average weighted price (\$25 56 per ounce).

6 Value not included in total value, since value of product derived therefrom, or of raw material used, is accounted for under other items.

7 Figures not available. Value of products derived therefrom, or of raw materials used, is included elsewhere.

8 Portland cement only; estimate of value of natural cements included in total value nonmetallic products.

9 Figures obtained through cooperation with Bureau of the Census.

10 Includes brown coal and lignite and anthracite mined elsewhere than in Pennsylvania.

11 Tripoli only. Value of diatomite is included in total value of nonmetallic products.

12 No canvass. Estimate of value included in total value of nonmetallic products.

13 Canvass discontinued after 1915. Value of iron ore sold for paint included under "Unspecified." 14 Sublimed blue lead, sublimed white lead, leaded zinc oxide, and zinc oxide.

15 Figures include pyrites concentrates from Tennessee and partly desulphurized tailings from zinc operations in Wisconsin, similar output in 1915 to 1925 was not included.

16 Includes soapstone used as dimension stone.

17 Talc only. Value of soapstone in 1925 and 1930 and ground soapstone in 1932 is included in value of nonmetallic products. Bureau of Mines not at liberty to publish figures.

18 Talc and ground soapstone.

19 Quantity, 1,000 pounds, value, \$220.

20 Estimate of value included in total value of nonmetallic products.

21 Figures not yet available.

22 Bureau of Mines not at liberty to publish figures.

Source: Bureau of Mines, Department of the Interior.

No. 674.—IRON ORE: PRODUCTION, SHIPMENTS, EXPORTS, AND IMPORTS

NOTE.—In thousands of long tons (2,240 pounds). Nearly all exports are to Canada. Blank spaces indicate lack of data. Since 1905, ore containing 5 per cent or more of manganese has been excluded.

Yearly average or year	Production	Shipments	Exports	Imports	Production	1930	1931	1932	1933
1881-1890	10,385			766	REGION				
1891-1900	17,551			587	Lake Superior ¹	49,383	25,877	8,139	14,611
1901-1910	41,339		271	1,180	Birmingham	5,552	3,495	1,336	2,044
1911-1915	51,595	50,592	953	1,841	All other	3,474	1,760	371	898
1916-1920	69,737	70,224	1,143	967	STATE				
1921-1925	52,429	52,617	1,677	1,691	Alabama	5,738	3,615	1,375	2,133
1926-1930	64,600	64,952	1,021	2,709	Michigan	13,544	7,553	2,555	2,434
1919	60,965	56,373	997	476	Minnesota	34,518	17,445	5,154	11,949
1920	67,604	69,281	1,145	1,273	Missouri	133	112	30	(?)
1921	29,491	26,653	440	316	New Jersey	395	294	31	73
1922	47,129	50,613	602	1,135	New York	889	275	31	59
1923	69,351	69,811	1,117	2,768	Pennsylvania	965	368	103	264
1924	54,267	52,083	595	2,047	Utah	279	184	137	95
1925	61,908	63,925	631	2,191	Wisconsin	1,321	880	430	228
1926	67,623	69,293	869	2,555	Wyoming	320	181		289
1927	61,741	61,232	899	2,621	All other	306	225	1	28
1928	62,197	63,433	1,282	2,453	KIND				
1929	73,028	75,603	1,304	3,139	Hematite	455,266	29,665	9,622	16,921
1930	58,409	55,201	752	2,775	Brown ore	3720	360	62	235
1931	31,132	28,516	436	1,466	Magnetite	4,242	1,105	163	397
1932	9,847	5,331	83	582	Carbonate	1	1	(?)	(?)
1933	17,553	24,624	155	861					

¹ Includes only those mines in Wisconsin which are in true Lake Superior district. ² Less than 500 tons.

³ Some hematite included with brown ore. ⁴ Some hematite included with magnetite.

No. 675.—ANALYSIS OF PIG IRON AND FERRO-ALLOY PRODUCTION

[In thousands of long tons (2,240 pounds) unless otherwise specified]

	1900	1910	1915	1920	1925	1929	1930	1931	1932	1933
Total pig iron and ferro-alloys	13,789	27,304	23,918	36,926	36,701	42,614	31,752	18,426	8,781	13,346
By States:										
New England	14	17	8	10						
New York, New Jersey	463	2,203	2,105	2,601	2,188	3,025	2,211	1,275	710	765
Pennsylvania	6,366	11,272	12,791	13,983	12,523	14,453	10,305	5,233	2,188	3,893
Maryland and Virginia	781	771	503	953	830	1,166	1,088	692	380	619
Alabama	1,184	1,939	2,048	2,393	2,836	2,710	2,895	1,671	667	906
Ohio	2,471	5,752	6,913	8,533	8,838	9,796	6,805	4,189	2,412	3,655
Illinois	1,363	2,676	2,447	3,281	3,604	4,358	3,345	1,961	919	1,013
Indiana, Michigan	164	1,250	1,987	2,940	4,120	5,086	3,934	2,328	1,035	1,470
Wisconsin, Minnesota	185	307	373	711	468	379				
Iowa, Colorado, Utah					505	638	805	317	164	188
All other	798	1,117	741	1,520	762	1,003	865	756	306	538
By disposition										
For sale	(1)	(1)	8,583	10,724	8,991	9,635	7,083	4,339	1,877	2,338
For maker's use	(1)	(1)	21,333	26,202	27,710	32,979	24,670	14,087	6,904	11,007
By kinds:										
Basic	1,072	9,085	13,093	16,738	19,667	24,912	18,393	10,174	5,074	7,953
Bessemer	7,979	11,246	10,523	12,062	9,419	9,877	7,315	4,636	2,220	3,474
Foundry (incl. ferro-silicon)	3,376	5,260	4,844	5,958	5,410	4,737	3,960	2,245	381	1,210
Malleable	173	843	830	1,311	1,554	2,313	1,572	946	420	495
Forge	793	564	316	318	241	168	51	36	2	5
Ferromanganese, spiegel- eisen, and all other	895	306	310	539	409	557	461	289	129	209
By fuels:										
Coke ²	11,728	26,258	29,535	36,300	36,504	42,476	31,656	18,380	8,766	13,313
Anthracite	1,677	649	85	303						
Charcoal	384	397	296	323	196	138	97	46	15	33
Materials used										
Iron ore, briquettes, etc.	24,131	51,739	55,137	66,450	65,450	773,059	53,662	29,668	12,788	21,572
Cinder, scale, etc.	1,600	2,800	4,483	4,986	5,017	57,434	6,296	3,762	2,189	2,820
Coke (1,000 tons of 2,000 pounds) ⁴	(1)	(1)	33,329	42,046	39,296	342,403	31,168	17,738	8,337	12,547
Limestone	7,422	14,528	14,790	17,825	15,154	15,603	11,099	8,609	2,951	4,565
Total number of furnaces	406	473	445	452	395	316	300	288	279	257
Furnaces in blast Dec. 31	232	206	310	216	238	165	97	61	44	69

¹ Not available.

² Includes pig iron and ferro-alloys made in electric furnaces.

³ Materials consumed in manufacture of pig iron only.

⁴ Coke and bituminous coal 1900 to 1925.

Sources: Table 674, Bureau of Mines, Department of the Interior, Table 675, American Iron and Steel Institute.

No. 676.—PRODUCTION, EXPORTS, AND IMPORTS OF PIG IRON (INCLUDING FERRO-ALLOYS) AND PRODUCTION OF STEEL INGOTS AND CASTINGS

NOTE.—In long tons (2,240 pounds). Prior to 1901 exports and imports are for years ended June 30 following year specified, calendar years thereafter. All production figures are for calendar years. For individual years 1871 to 1907 and data for earlier years, see Statistical Abstract 1931, Tables 750 and 751.

Yearly average or year	Pig iron and ferro-alloys			Steel ingots and castings, production	Year	Pig iron and ferro-alloys			Steel ingots and castings, production
	Production	Exports of domestic	Imports			Production	Exports of domestic	Imports	
1871-1875	2,248,293	7,412	137,591	1,389,799	1917	38,621,216	656,220	76,786	45,060,607
1876-1880	2,562,763	3,407	276,600	803,479	1918	39,054,644	269,575	34,711	44,462,432
1881-1885	4,301,096	5,311	252,290	1,652,268	1919	31,015,364	321,261	101,665	34,671,232
1886-1890	7,079,312	12,407	229,970	3,292,763	1920	36,925,987	216,828	185,944	42,132,934
1891-1895	8,133,014	22,983	54,778	4,675,736	1921	16,688,126	28,405	44,842	19,783,797
1896-1900	11,491,937	224,268	34,308	8,439,938	1922	27,219,904	33,332	498,059	35,602,926
1901-1905	18,239,665	45,465	314,765	15,367,931	1923	40,361,146	37,559	474,723	44,943,696
1906-1910	24,024,722	78,618	275,036	22,166,783	1924	31,405,790	45,818	276,966	37,931,939
1908	15,936,018	46,696	92,202	14,023,247	1925	36,700,566	39,907	516,948	46,393,524
1909	25,795,471	61,989	176,442	23,955,021	1926	39,372,729	28,066	514,288	48,293,763
1910	27,303,567	127,385	237,233	26,094,919	1927	36,565,645	55,899	175,529	44,935,185
1911	23,649,547	120,799	148,459	23,676,106	1928	38,155,714	96,743	194,636	51,544,180
1912	29,726,937	272,676	129,325	31,251,303	1929	42,613,983	53,749	223,680	56,433,473
1913	30,966,152	277,648	156,450	31,300,874	1930	31,752,169	25,344	182,446	40,699,483
1914	23,332,244	114,423	139,683	23,513,030	1931	18,426,354	15,429	103,540	25,945,501
1915	29,916,213	224,509	89,836	32,151,036	1932	8,781,453	6,938	145,664	13,981,162
1916	39,434,797	607,236	135,349	42,773,680	1933	13,345,602	11,272	192,587	23,232,347

¹ 1875 only.

No. 677.—PRODUCTION OF ROLLED AND MISCELLANEOUS STEEL PRODUCTS

NOTE.—In thousands of long tons (2,240 pounds) unless otherwise specified. Blank spaces indicate figures not available. The miscellaneous products, except cast-iron pipe, are for the most part further elaborations of the rolled products listed above.

	1905	1910	1915	1920	1925	1930	1932	1933
Rolled products, total	16,840	21,621	24,393	32,348	33,387	29,513	10,451	16,735
Rails	3,376	3,636	2,204	2,604	2,785	1,873	403	416
Bessemer	3,192	1,894	327	143	10	2	(¹)	(¹)
Open hearth	183	1,751	1,775	2,334	2,692	1,835	393	398
Rerolled			102	127	84	36	9	18
Sheets and plates	3,532	4,955	6,078	9,338	9,808	9,087	3,443	6,217
Universal			955	1,250	1,196	1,041	310	312
Sheared			1,923	3,505	2,557	2,622	520	849
Black sheets ²			1,887	2,886	4,067	3,512	1,472	3,092
Black plates for tinning			1,093	1,449	1,652	1,692	1,000	1,677
Other black-plate specialties			270	247	325	201	142	287
Wire rods	1,809	2,242	3,096	3,137	2,845	2,349	1,186	2,024
Structural shapes	1,661	2,267	2,437	3,307	3,604	3,512	937	1,109
Merchant bars	3,594	3,786	4,131	6,130	5,659	4,132	1,314	2,285
Skelp	1,436	1,828	2,299	3,220	3,230	2,682	608	965
Hoops		262	282	333	205	80	43	48
Bands and cotton ties	446	425	438	576	356	46	38	61
Splice and fish-plate bars			536	576	823	606	148	197
Rolled forging blooms, billets, etc.	42	460	651	447	345	304	76	121
Bars for reinforced concrete work		241	353	572	820	850	386	370
Hot-rolled strips and flats for cold rolling								
Blanks or pierced billets for seamless tubes	946	1,519	1,888	2,294	2,908	1,942	1,185	1,880
All other rolled products						1,248	370	589
						814	315	483
Miscellaneous products:								
Tin plate (million pounds)		1,451	2,202	3,080	3,459	3,719	2,209	3,776
Terneplate (million pounds)		168	163	158	255	231	104	187
Galvanized sheets (million pounds)			1,582	1,871	2,539	2,341	1,151	1,574
Galvanized formed products (million pounds)			112	144	178	146	87	99
Wire nails (thousands of kegs ³)	10,855	12,705	14,583	16,450	15,454	9,561	5,894	8,927
Cut nails (thousands of kegs ³)	1,358	1,005	775	845	736	460	286	349
Wrought pipe, or tubes ⁴			1,920	3,003	3,031	2,247	485	723
Boiler tubes ⁵			97	119	63	31	9	13
Seamless pipes or tubes			140	292	568	1,194	338	480
Cast-iron pipe (1,000 short tons ⁶)			1,215	887	1,925	1,436	528	485
Forgings made by rolling mills		320	524	540	388	476	93	89

¹ Less than 500 tons. ² Rolled on sheet or jobbing mills. ³ Small structural forms not included.

⁴ Of 100 pounds.

⁵ Excluding electric welding.

⁶ Of 2,000 pounds.

Source of Tables 676 and 677: American Iron and Steel Institute.

No. 678.—PRODUCTION, EXPORTS, AND IMPORTS OF FINISHED ROLLED IRON AND STEEL

NOTE.—In long tons (2,240 pounds). Blank spaces indicate that figures are not available

Yearly average or year (calendar year)	Total production, finished rolled products	Rails			Plates and sheets			Merchant bar production ¹
		Production	Exports	Imports	Production	Exports	Imports	
1876-1880		911,095	4,441	59,851				
1881-1885		1,273,688	3,986	116,972				
1886-1890	² 5,278,214	1,710,278	7,275	49,775	³ 684,914		8,013	
1891-1895	5,472,849	1,264,677	13,650	1,047	755,818	1,510	23,894	
1896-1900	8,162,560	1,881,905	232,518	2,399	1,463,879	30,995	4,771	
1901-1905	13,670,907	2,895,138	225,745	43,207	2,694,625	39,505	6,167	⁴ 3,593,801
1906-1910	18,509,490	3,238,486	303,234	3,963	4,054,102	158,591	4,096	3,479,910
1911	19,039,171	2,822,790	420,874	3,414	4,488,049	372,373	2,453	3,306,103
1912	24,656,841	3,327,915	446,473	3,780	5,875,080	546,521	3,299	3,971,446
1913	24,791,243	3,502,780	460,553	10,408	5,751,037	463,426	2,893	4,277,279
1914	18,370,196	1,945,095	174,680	22,571	4,719,246	280,095	4,810	2,812,102
1915	24,392,924	2,204,203	391,379	78,525	6,077,694	419,604	1,420	4,484,650
1916	32,380,389	2,854,518	540,828	26,299	7,453,980	515,558	1,730	6,691,702
1917	33,067,700	2,944,161	512,609	9,263	8,267,616	851,529	1,748	6,681,141
1918	31,155,754	2,540,892	453,537	8,705	8,799,135	854,136	1,517	6,587,369
1919	25,101,544	2,203,843	652,443	17,008	7,372,814	1,042,697	1,095	4,810,645
1920	32,347,863	2,604,116	594,628	45,684	9,337,680	1,273,558	1,792	6,702,685
1921	14,774,006	2,178,818	321,822	22,048	4,260,574	607,370	1,976	1,792,982
1922	26,452,004	2,171,776	277,090	26,629	7,968,397	439,417	⁴ 1,947	4,554,474
1923	33,277,076	2,904,516	267,409	29,706	9,497,717	386,405	⁴ 4,572	6,233,663
1924	28,086,435	2,433,332	208,496	43,358	8,087,833	360,540	⁴ 6,066	4,937,043
1925	33,386,960	2,785,257	151,690	36,872	9,807,659	386,912	⁴ 4,480	6,478,902
1926	35,495,892	3,217,649	187,557	55,212	10,529,056	517,611	⁴ 15,616	6,289,665
1927	32,879,031	2,806,486	177,593	15,455	9,627,734	468,511	⁴ 19,760	5,686,260
1928	37,662,916	2,647,493	190,925	14,019	11,066,050	522,657	⁴ 30,800	7,229,723
1929	41,069,416	2,732,138	146,060	6,236	12,436,312	540,866	⁴ 28,461	7,423,496
1930	29,513,007	1,873,233	95,179	8,307	9,067,366	346,853	⁴ 26,496	4,982,124
1931	19,175,894	1,187,751	33,108	5,007	6,039,581	192,830	⁴ 18,907	3,083,996
1932	10,451,088	402,566	11,320	5,662	3,443,308	79,031	⁴ 22,252	1,699,501
1933	16,735,086	416,296	41,481	6,403	6,216,650	108,841	⁴ 9,538	2,655,049

Yearly average or year (calendar year)	Skep, flue- and pipe production	Wire rods			Structural shapes			All other finished rolled production
		Production	Exports	Imports	Production	Exports	Imports	
1891-1895		633,248		34,804	⁵ 429,872			2,475,209
1896-1900		1,909,819	⁶ 16,132	18,087	1,869,419	⁶ 48,877		3,217,538
1901-1905	¹ 1,435,995	1,690,280	16,345	18,390	1,203,791	55,651	⁷ 12,886	1,263,396
1906-1910	1,668,674	2,056,732	13,403	16,400	1,036,951	121,086	11,107	2,074,634
1911	1,980,673	2,450,453	22,641	15,483	⁸ 1,912,367	223,493	5,343	2,073,736
1912	2,446,816	2,653,558	64,978	15,069	2,846,487	288,164	3,120	3,535,544
1913	2,501,964	2,464,807	61,637	16,098	3,004,972	403,264	11,659	3,288,404
1914	1,982,431	2,431,714	61,856	6,954	2,031,124	182,395	10,145	2,448,484
1915	2,296,464	3,095,907	165,014	5,317	2,437,003	232,139	1,494	3,794,003
1916	2,927,674	3,518,746	158,284	4,130	3,029,964	300,594	1,473	5,903,805
1917	2,674,231	3,137,138	181,941	1,060	3,110,000	294,150	6,216	6,253,413
1918	2,564,011	2,562,390	148,523	7,677	2,849,969	232,729	3,504	5,251,988
1919	2,555,778	2,538,476	118,010	342	2,614,036	360,787	1,154	3,005,952
1920	3,220,289	3,136,907	116,775	5,488	3,305,748	493,633	1,685	4,039,438
1921	1,930,575	1,564,330	18,953	917	1,272,624	297,022	7,777	1,774,103
1922	2,872,215	2,654,741	40,424	1,735	2,718,768	167,585	7,823	3,511,633
1923	3,734,336	3,075,892	40,868	3,948	3,405,197	199,021	10,674	4,425,755
1924	3,170,543	2,522,545	18,762	6,851	3,283,708	167,910	43,245	3,651,381
1925	3,229,768	2,844,656	21,207	7,988	3,604,130	169,252	77,291	4,636,588
1926	3,764,550	2,722,032	19,466	10,075	3,911,663	233,059	121,100	5,061,277
1927	3,418,852	2,770,271	16,127	17,988	3,742,445	215,226	161,849	4,826,983
1928	3,368,973	3,080,816	38,623	19,298	4,096,143	296,885	163,762	6,233,718
1929	3,517,238	3,134,409	42,250	15,653	4,778,020	399,837	148,223	7,057,803
1930	2,682,046	2,348,600	39,779	8,843	3,612,473	243,840	120,333	5,047,165
1931	1,499,280	1,844,620	32,125	7,114	2,062,858	121,725	72,329	3,487,808
1932	607,599	1,186,181	14,818	7,934	937,228	32,561	36,547	2,174,705
1933	994,515	2,024,065	16,877	13,339	1,109,457	32,063	29,295	3,319,024

¹ Includes concrete reinforcing bars.

² Average for years 1887-1890

³ 1905 only; data not available for earlier years.

⁴ Includes skep.

⁵ Average for years 1892-1895

⁶ Average for period July 1, 1897, to Dec. 31, 1900.

⁷ Average for period July 1, 1903, to Dec. 31, 1905.

⁸ Small structural forms not included.

Source: American Iron and Steel Institute (exports and imports compiled from Government statistics).

No. 679.—PRODUCTS OF STEEL WORKS AND ROLLING MILLS, AND OF THE WIRE, TIN-PLATE, AND CAST-IRON PIPE INDUSTRIES

NOTE.—The overlapping of the industries shown in this table results in considerable duplication in ton-nages shown. The products chiefly used further in manufacture are wire rods, plates, and sheets, black plates for tinning, and skelp. The figures under "Wire," "Tin and terneplate," and "Cast-iron pipe and fittings" include data for products of these departments of steel works and rolling mills and of all other industries producing these commodities. For more detailed statistics, see Census reports for these industries.

Industry and product	Quantity in thousands of unit specified				Value in thousands of dollars		
	Unit	1927	1929	1931	1927	1929	1931
STEEL WORKS AND ROLLING MILLS							
All products, total value.....					2, 779, 840	3, 365, 789	1, 402, 843
Unrolled steel, total.....	Ton ¹	44, 757	56, 181	25, 896			
Ingot.....							
For sale and interplant transfer.....	do.....	437	661	243	12, 679	17, 150	5, 648
Produced and consumed in works.....	do.....	43, 337	54, 133	25, 193			
Direct steel castings—							
For sale and interplant transfer ²	do.....	888	1, 212	371	145, 085	191, 398	59, 557
Produced and consumed in works ²	do.....	95	155	89			
Semifinished rolled products, for sale and interplant transfer, total.....	do.....	10, 307	12, 779	5, 633	346, 051	421, 328	161, 673
Blooms, billets, and slabs, except for forging.....	do.....	6, 162	7, 361	3, 107	205, 908	244, 792	91, 110
Rolled blooms and billets for forging.....	do.....	113	270	69	4, 690	10, 327	2, 494
Sheet and tin-plate bars.....	do.....	3, 985	5, 062	2, 439	133, 094	162, 316	67, 290
Muck and scrap bar.....	do.....	47	87	17	2, 359	3, 893	778
Finished rolled products and forgings, total.....	do.....	32, 154	39, 883	18, 396			
Produced and consumed in works.....	do.....	8, 416	9, 532	5, 199			
For sale and interplant transfer.....	do.....	23, 738	30, 350	13, 198	1, 251, 788	1, 604, 833	614, 899
Rails.....	do.....	2, 703	2, 666	1, 130	114, 685	113, 925	48, 197
Rail joints, fastenings, tie plates, etc.....	do.....	893	872	379	50, 394	47, 761	19, 096
Structural shapes (not fabricated).....	do.....	3, 502	4, 470	1, 985	148, 339	188, 898	71, 668
Concrete reinforcing bars.....	do.....	783	972	617	35, 410	42, 417	23, 081
Merchant bars, mill shafting, etc.—							
Steel.....	do.....	4, 249	6, 228	2, 231	240, 469	358, 601	111, 637
Iron.....	do.....	202	187	53	13, 582	13, 284	3, 696
Bolt and nut rods, spike and chain rods, etc.....	do.....	95	121	20	4, 381	5, 683	843
Wire rods.....	do.....	1, 024	1, 155	650	46, 059	49, 042	23, 420
Plates No. 12 and thicker.....	do.....	3, 781	5, 218	1, 986	164, 613	228, 236	75, 853
Sheets No. 13 and thinner.....	do.....	2, 982	4, 041	2, 021	227, 683	306, 936	125, 920
Skelp.....	do.....	1, 241	1, 271	619	50, 605	50, 121	21, 320
Hot-rolled strips for cold rolling.....	do.....	1, 265	1, 479	402	66, 351	21, 347	19, 052
Other strips and cotton ties.....	do.....	119	150	27	10, 737	12, 039	2, 239
Axles.....	do.....	8	10	17	2, 614	3, 287	6, 184
Armor plate and ordnance.....	do.....	155	209	84	15, 197	19, 352	7, 689
Car and locomotive wheels.....	do.....	736	732	270	60, 891	68, 278	24, 219
All other rolled and forged products ⁴	do.....						
Scrap iron and steel, for sale and interplant transfer.....	do.....	2, 448	2, 830	1, 409	35, 750	42, 101	16, 645
Cinder and scale.....	do.....	657	1, 194	620	988, 487	2, 731	1, 308
All other (including value added to rolled products by further manufacture).....	do.....					1, 086, 248	543, 213
WIRE AND WIRE PRODUCTS (ALL METALS)							
All industries, total value.....					697, 884	919, 988	404, 786
Iron and steel wire.....							
Plain wire, total ⁵	Ton ⁶	2, 865	3, 097	1, 866			
For sale and interplant transfer.....	do.....	907	1, 204	603	67, 619	88, 456	40, 492
Produced and consumed in works.....	do.....	1, 958	1, 891	1, 262			
Galvanized wire For sale and interplant transfer.....	do.....	250	269	172	17, 035	19, 656	10, 963
Other coated wire For sale and interplant transfer.....	do.....	45	52	43	6, 368	8, 143	5, 164
Cold-rolled from drawn wire For sale and interplant transfer.....	do.....	150	29	14	18, 544	4, 256	2, 361
Copper wire.....							
For sale and interplant transfer.....	Lb.....	491, 819	544, 740	187, 921	77, 090	118, 628	22, 884
Produced and consumed in works.....	do.....	294, 745	407, 996	242, 390			
Drawn on contract or custom basis from rods or bars furnished by others.....	do.....	(⁹)	151, 761	25, 572			

For footnotes see p. 668.

No. 679.—PRODUCTS OF STEEL WORKS AND ROLLING MILLS, AND OF THE WIRE, TIN-PLATE, AND CAST-IRON PIPE INDUSTRIES—Continued

Industry and product	Quantity in thousands of unit specified				Value in thousands of dollars		
	Unit	1927	1929	1931	1927	1929	1931
WIRE AND WIRE PRODUCTS (ALL METALS)—continued							
Brass and bronze wire							
For sale and interplant transfer.....	Lb.....	°60,844	86,805	48,031	° 11,693	20,332	7,904
Produced and consumed in works.....	do.....	° 3,086	5,581	5,066			
Other metal wire							
For sale and interplant transfer.....	do.....	°34,117	48,487	26,750	° 12,009	23,590	10,214
Produced and consumed in works.....	do.....	° 7,209	21	31			
Fabricated wire products for sale							
Iron and steel—							
Nails, brads, and spikes ¹⁰	Keg ¹¹	14,819	13,601	8,177	48,002	44,935	22,532
Tacks ¹⁰	Lb.....	7,135	6,540	2,620	1,690	640	218
Staples.....	do.....	49,379	58,879	44,863	1,596	2,342	1,385
Barbed wire.....	Ton ⁶	202	222	162	12,973	13,824	8,280
Rope or cable, except insulated.....	do.....	(⁹)	153	57	46,916	46,877	18,412
Strand, galvanized.....	do.....	(⁹)	49	36		5,618	3,284
Poultry netting.....	do.....	(⁹)	47	32	40,011	7,536	4,165
Woven wire fence, except poultry netting.....	do.....	(⁹)	366	242		31,041	17,897
Fly screening.....	Lb.....	(⁹)	64,728	31,719	23,396	9,942	4,623
Other wire cloth.....	do.....			24,949		6,555	4,177
Concrete reinforcement wire.....	Ton ⁶			140	11,786	8,177	5,522
Other woven wire.....	do.....	(⁹)	139	28		11,491	5,987
Automobile skid chains.....					(¹²)	5,088	3,593
Bale ties.....	Lb.....	(⁹)	148,474	109,349	4,580	5,088	3,593
Wire springs.....					32,187	47,903	26,686
Welding wire, including electrodes.....					41,868	42,872	2,790
Other fabricated iron and steel wire products.....							25,361
Nonferrous wire products—							
Fly screening—							
Copper.....	Lb.....	(⁹)	4,993	2,697	8,796	1,768	780
Other metals.....	do.....	(⁹)	10,211	7,132		3,836	2,381
Fourdrinner and cylinder wire cloth.....	do.....	(⁹)	3,108	1,899		4,765	3,082
Other wire cloth—							
Copper.....	do.....	(⁹)	1,168	386	14,823	588	151
Other metals.....	do.....	(⁹)	1,450	1,239		683	1,084
Copper strand, except insulated.....	do.....	(⁹)	92,395	59,051	6,125	18,617	7,383
Other fabricated nonferrous wire products, except insulated wire.....							5,670
Fabricated wire products not distributed above.....					1,435		397
Insulated wire and cable.....					210,048	312,592	120,789
TIN PLATE AND TERNEPLATE							
All products, total value.....					193,894	213,084	142,698
Tin plate.....	Lb.....	3,560,417	4,031,856	3,108,668	180,410	194,107	135,375
Terneplate.....	do.....	193,057	345,592	159,357	10,017	15,568	5,609
All other products.....					3,468	3,409	1,713
CAST-IRON PIPE AND FITTINGS							
All industries, total value.....					(⁹)	85,890	51,111
Reported with quantity.....	Ton ⁶	(⁹)	1,736	1,191	(⁹)	78,296	45,238
Reported without quantity.....					(⁹)	7,594	5,873

¹ Of 2,240 pounds.² In addition steel castings were produced for sale by establishments classified in other industries as follows: For 1927, 59,809 tons valued at \$10,464,311; 1929, 33,550 tons valued at \$6,635,780; 1931, 13,916 tons valued at \$2,578,080. Steel castings were also reported by the "Foundry and machine-shop products, not elsewhere classified," industry as made and consumed in the same works as follows: For 1927, 16,968 tons, 1929, 53,980 tons, 1931, 13,210 tons. Steel castings are produced and consumed in further manufacture to some extent in other industries, but no data for such production are collected.³ Does not include tonnage of rolled billets and blanks for seamless tubes, nor tonnage, for sale, of rolled blooms and billets for forging.⁴ Includes "nail and tack plate" not shown separately to avoid disclosing data for individual operations.⁵ All iron and steel wire, including that subsequently galvanized, otherwise coated, and cold rolled.⁶ Of 2,000 pounds.⁷ Figures for 1927 include all cold-rolled wire; for 1929 and 1931, only wire cold rolled from drawn wire.⁸ No comparable data.⁹ For 1927 bronze wire was included with "Other metal wire."¹⁰ Not including value of nails and tacks made from nail and tack plate.¹¹ Of 100 pounds.¹² Automobile skid chains included in "Other fabricated iron and steel wire products."

Source Bureau of the Census, Department of Commerce.

No. 680.—PRODUCTION OF STEEL INGOTS AND CASTINGS, BY GRADES

NOTE.—In long tons (2,240 pounds). Blank spaces indicate that figures are not available

Year	Total	Bessemer	Open hearth			Cru- cible	Electric	Miscel- laneous
			Total	Basic	Acid			
1890.....	4, 277, 071	3, 688, 871	513, 232	—	555, 044	71, 175	—	3, 793
1900.....	10, 188, 329	6, 684, 770	3, 368, 135	2, 545, 091	855, 044	100, 562	—	4, 862
1910.....	26, 094, 919	9, 412, 772	16, 504, 509	15, 292, 339	1, 212, 180	122, 303	52, 141	3, 194
1915.....	32, 151, 036	8, 287, 213	23, 679, 102	22, 308, 725	1, 370, 377	113, 782	69, 412	1, 527
1920.....	42, 132, 934	8, 883, 087	32, 671, 895	31, 375, 723	1, 296, 172	72, 265	502, 152	3, 535
1925.....	45, 393, 524	6, 723, 962	38, 034, 488	37, 087, 342	947, 146	19, 562	615, 512	—
1929.....	56, 433, 473	7, 122, 509	48, 352, 888	47, 232, 419	1, 120, 469	6, 645	951, 431	—
1930.....	40, 699, 483	5, 035, 459	35, 049, 172	34, 268, 316	780, 856	2, 253	612, 599	—
1931.....	25, 945, 501	3, 023, 446	22, 509, 566	22, 130, 398	379, 168	1, 547	410, 942	—
1932.....	13, 681, 162	1, 532, 076	11, 907, 330	11, 742, 682	164, 648	645	241, 111	—
1933.....	23, 232, 347	2, 428, 791	20, 381, 672	20, 067, 146	324, 526	681	421, 203	—

No. 681.—BLAST FURNACES AND STEEL MILLS: CENSUS STATISTICS

NOTE.—The scope of the industry "Steel works and rolling mills" is indicated by Table 679

Year	Number of estab- lishments	Wage earners (average number)	Wages	Value of products ¹	Value added by manufac- ture ²	Primary horsepower
1879.....	792	^a 140, 798	^a 55, 451	296, 558	105, 287	(⁴)
1889.....	719	171, 181	89, 273	478, 688	151, 415	784, 358
1899.....	668	222, 490	120, 820	803, 968	281, 569	1, 597, 816
1909.....	654	278, 505	187, 807	1, 377, 152	399, 013	3, 274, 285
1919.....	695	416, 748	711, 407	3, 623, 369	1, 321, 507	5, 399, 574
1921.....	628	254, 213	354, 357	1, 901, 431	535, 256	(⁴)
1923.....	658	424, 913	696, 761	4, 161, 938	1, 289, 910	5, 999, 941
1925.....	595	399, 914	660, 297	3, 711, 354	1, 281, 976	6, 143, 927
1927.....	602	389, 270	645, 534	3, 488, 744	1, 219, 534	6, 781, 058
1929.....	591	419, 534	730, 974	4, 137, 214	1, 622, 837	7, 532, 530
1931.....	528	278, 206	357, 645	1, 714, 214	623, 199	(⁴)
Blast furnaces:						
1929.....	105	24, 960	41, 959	771, 425	161, 132	(⁴)
1931 ⁶	80	13, 572	19, 259	311, 371	52, 240	(⁴)
Steel works and rolling mills:						
1929.....	486	394, 574	689, 016	3, 365, 789	1, 461, 706	^a 7, 532, 530
1931.....	446	264, 634	338, 386	1, 402, 843	570, 959	(⁴)

¹ Includes much duplication² Value of products less cost of materials.³ Returns were not secured for number of salaried employees and it is probable that "wages" included amounts paid for salaries, and "wage earners" may have included some salaried employees.⁴ No data⁵ Blast furnace data are included with steel works and rolling mills.⁶ Includes data for 4 establishments engaged in production of sintered ore and flue dust and operated independently of blast furnaces.

No. 682.—AGGREGATE DOMESTIC EXPORTS OF HEAVY IRON AND STEEL

NOTE.—Prior to 1922, the small items for which quantity is not available are excluded, while in later years all items are included. Ferromanganese is included for all years. The small item "steam and hot water heating boilers and radiators," formerly classified as heavy iron and steel, is excluded beginning 1922

[Quantities in thousands of long tons (2,240 pounds); values in thousands of dollars]

Year	Quantity	Value	Year	Quantity	Value	Year	Quantity	Value
1890.....	52	—	1910.....	1, 538	63, 436	1922.....	1, 995	136, 334
1895.....	89	—	1911.....	2, 188	86, 599	1923.....	2, 010	167, 247
1900.....	1, 154	42, 518	1912.....	2, 948	112, 535	1924.....	1, 806	150, 494
1901.....	701	29, 050	1913.....	2, 746	108, 875	1925.....	1, 763	144, 262
1902.....	372	15, 889	1914.....	1, 550	63, 409	1926.....	2, 167	174, 145
1903.....	327	14, 533	1915.....	3, 533	140, 993	1927.....	2, 183	160, 609
1904.....	1, 168	35, 248	1916.....	6, 101	353, 971	1928.....	2, 865	179, 881
1905.....	1, 010	33, 813	1917.....	6, 439	567, 041	1929.....	3, 038	200, 203
1906.....	1, 326	52, 215	1918.....	5, 375	558, 279	1930.....	1, 983	139, 039
1907.....	1, 302	60, 046	1919.....	4, 400	410, 164	1931.....	969	63, 226
1908.....	964	43, 397	1920.....	4, 935	458, 376	1932.....	595	28, 857
1909.....	1, 244	50, 777	1921.....	2, 213	214, 830	1933.....	1, 341	45, 534

Sources: Table 680, American Iron and Steel Institute, Table 681, Bureau of the Census, Department of Commerce; Table 682, Bureau of Foreign and Domestic Commerce, Department of Commerce.

No. 683.—EXPORTS OF HEAVY IRON AND STEEL PRODUCTS

NOTE.—This and Tables 682 and 684 exclude the highly elaborated manufactures of iron and steel

Articles	Quantity in long tons (2,240 pounds)				Value in thousands of dollars			
	1930	1931	1932	1933	1930	1931	1932	1933
Total	1,982,546	968,645	594,581	1,341,183	139,039	63,226	28,857	45,534
Pig iron, not including ferro-alloys..	13,671	6,719	2,324	2,750	292	151	54	64
Ferromanganese and spiegeleisen.....	6,189	1,306	33	44	146	39	2	3
Scrap.....	358,649	136,125	227,622	773,406	5,562	1,957	1,859	6,874
Ingots, blooms, billets, sheet bars, and skelp.....	136,916	64,461	27,114	26,419	5,926	2,701	974	936
Iron and steel bars.....	82,913	43,523	15,987	22,926	4,839	2,425	870	1,187
Alloy steel bars.....	6,668	2,968	1,621	1,797	911	499	251	267
Wire rods.....	39,777	32,125	14,813	16,877	1,876	1,297	583	608
Galvanized sheets.....	93,490	51,523	26,923	53,856	8,798	4,294	1,982	3,682
Plates, iron and steel.....	98,339	42,472	10,293	13,754	4,558	1,611	524	632
Black iron sheets.....	137,918	91,783	38,277	37,078	10,343	6,918	2,844	2,465
Black iron sheets.....	11,482	5,526	2,462	2,751	1,097	447	176	196
Hoop, band, and strip steel.....	39,316	28,229	17,778	20,252	2,673	1,834	1,127	1,228
Tin plate, terneplate, etc.....	216,613	84,433	39,603	95,238	24,202	7,841	3,273	7,650
Structural shapes, plain material.....	140,415	88,710	14,885	14,089	6,234	3,437	590	535
Structural materials, fabricated.....	103,471	32,135	17,277	18,335	9,146	2,769	1,029	1,206
Tanks, complete and knocked down.....	20,490	12,432	3,053	3,078	2,387	1,132	267	305
Metal lath.....	5,578	2,410	1,471	1,007	848	350	153	135
Steel rails.....	95,179	33,108	11,320	41,481	3,580	1,289	428	1,227
Rail fastenings, switches, frogs, etc.....	19,617	8,093	3,742	13,536	2,133	877	299	939
Boiler tubes.....	14,685	7,071	3,681	3,916	2,005	866	567	483
Casing and oil-line pipe.....	62,104	21,975	17,275	39,208	6,708	2,469	1,792	3,431
Seamless black pipe, except casing and oil line.....			597	1,407			95	195
Black and galvanized welded pipe.....	93,400	60,437	30,888	35,733	9,069	5,178	2,463	2,495
Riveted pipe and fittings.....			161	142			33	24
Cast-iron pipe and fittings.....	31,474	21,184	8,410	11,614	3,667	1,661	591	802
Malleable-iron screwed pipe fittings.....	10,743	4,509	1,677	2,500	3,413	1,401	455	666
Barbed-wire and woven-wire fencing.....	39,118	24,105	-17,742	29,948	2,539	1,331	896	1,598
Plain and galvanized wire.....	26,463	14,163	8,391	21,919	2,069	1,044	597	1,208
Woven-wire screen cloth.....	1,583	866	635	722	558	298	199	215
Wire rope.....	4,536	2,499	1,575	2,212	1,254	666	410	508
Insulated wire and cable.....	530	298	84	25	216	108	28	7
Wire, other, and manufactures thereof.....	7,468	4,640	2,080	2,848	1,677	997	527	651
Wire nails.....	8,472	8,338	7,552	10,251	536	485	370	509
Nails other than wire, including tacks.....	5,867	3,816	3,378	3,964	1,056	608	456	476
Horseshoes.....	180	152	100	144	32	21	14	23
Bolts, nuts, rivets, and washers.....	10,131	4,861	2,714	3,681	2,093	1,049	625	809
Car wheels and axles.....	14,841	6,317	2,884	3,968	1,140	430	210	239
Iron castings.....	6,613	4,326	3,397	4,205	1,458	689	374	422
Steel castings.....	9,390	3,104	1,173	956	2,280	743	290	209
Forgings.....	8,467	7,393	3,689	3,148	1,420	997	521	424

¹ Except track.

No. 684.—IRON AND STEEL: EXPORTS BY DESTINATIONS

NOTE.—All figures in long tons (2,240 pounds). Products covered are those listed in Table 683

Country	1931	1932	1933	Country	1931	1932	1933
Belgium.....	2,749	1,872	3,528	Brazil.....	22,650	10,090	53,588
France.....	8,331	3,708	6,424	Chile.....	24,178	1,655	10,384
Germany.....	1,094	703	15,469	Colombia.....	12,040	10,863	24,420
Italy.....	6,231	8,093	118,731	Ecuador.....	1,519	1,143	732
Netherlands.....	2,031	1,188	10,544	Peru.....	14,484	3,284	3,941
Norway.....	3,439	2,964	4,194	Uruguay.....	7,271	2,164	4,949
Poland and Danzig.....	2,612	4,426	30,022	Venezuela.....	10,370	8,505	18,636
U S S R (Russia) in Europe.....	2,708	275	2,408	India and Ceylon.....	11,605	3,254	5,822
United Kingdom.....	40,476	4,700	9,148	British Malaya.....	2,318	390	2,377
Canada.....	420,599	163,900	139,507	China.....	38,324	20,885	36,885
Central America.....	24,409	20,641	24,625	Netherland India.....	9,099	4,291	9,968
Mexico.....	44,095	18,237	31,498	Hong Kong.....	7,998	5,647	7,991
British West Indies.....	4,285	1,127	2,039	Japan.....	98,886	191,193	593,207
Cuba.....	15,999	10,531	15,621	Kwantung.....	1,360	1,203	4,461
Dominican Republic.....	1,955	1,497	4,198	Palestine and Syria.....	1,471	3,566	3,535
Netherland West Indies.....	2,397	3,102	5,188	Philippine Islands.....	52,452	46,768	58,353
Argentina.....	40,101	17,892	45,512	Australia.....	1,983	1,300	1,431
				British South Africa.....	4,523	2,349	10,232
				All other.....	23,003	11,180	21,615

Source of Tables 683 and 684: Bureau of Foreign and Domestic Commerce, Department of Commerce.

No. 685.—IRON AND STEEL: AVERAGE ANNUAL PRICES

[Prices of pig iron, rails, and billets in dollars per long ton (2,240 pounds); other prices in dollars per 100 pounds]

Year	Bes- semer, The Valleys	Basic, The Val- leys	South- ern, No 2, Cincin- nati	Local, No 2, Chi- cago ¹	Bes- semer rails at mills in Penn- syl- vania ²	Bes- semer steel billets, Pitts- burgh	Soft- steel bars, Pitts- burgh	Iron bars (best refined), Pitts- burgh ³	Tank plates, Pitts- burgh	Beams, Pitts- burgh	Com- posite finished steel ⁴
1891-1895			11 74	12 80	27 27	20 89		1.46			
1896-1900			12 56	14 30	24.96	21.08	\$ 1.46	1.50	1 61	\$ 1 63	
1901-1905			15 80	17 50	27.87	25 76	1 47	1 77	1 60	1 63	
1906			12 73	14 37	28 00	22 18	1 33	1.48	1.54	1.54	1.71
1907		15 25	15 57	17 65	28 00	24 03	1.48	1.87	1.58	1 62	1 76
1908		18 10	18 37	20 43	28 00	27 45	1.93	1.93	1 61	1 70	1 77
1909		20 87	23 10	24 50	28 00	29 25	1.60	1.94	1 70	1 70	1 92
1910		15 16	15 54	17 57	28 00	26 31	1.49	1.60	1 64	1 64	1 86
1911		15 48	16 12	17 49	28 00	24 62	1.33	1.62	1 42	1 42	1 63
1912		14 76	15 16	17 09	28 00	25 38	1.44	1.65	1 47	1 45	1 66
1913		13 07	13 67	14 83	28 00	21 46	1.26	1 41	1 31	1 32	1 54
1914		13 92	14 93	15 32	28 00	22 38	1 29	1 44	1 33	1 32	1 53
1915		14 71	14 90	15 85	28 00	25 79	1 55	1.69	1 50	1 50	1 66
1916		12 87	13 41	13 60	28 00	20 09	1 15	1.32	1 14	1 15	1 43
1917		13 74	13 57	14 01	28 00	22 44	1 31	1 48	1 31	1 30	1 53
1918		19 76	18 67	20 26	32 00	43 95	2 67	2 13	3 53	2 55	2 67
1919		38 90	38 95	41 31	38 00	70 96	3 64	3 83	5 88	3 67	4 19
1920		32 50	36 56	33 25	55 00	47 33	2 89	4 31	3 24	2 99	3 54
1921	42 82	27 67	32 17	29 11	47 29	40 54	2 49	4 10	2 72	2 53	3 12
1922	23 34	42 25	44 52	42 52	52 42	56 14	3 22	4 75	3 28	2 95	3 84
1923	25 63	21 73	26 68	22 93	44 06	34 46	1 87	4 47	1 93	1 93	2 54
1924	27 20	24 20	23 95	24 85	40 75	33 95	1 72	3 35	1 72	1 71	2 24
1925	21 53	25 80	27 85	28 16	43 00	41 70	2 36	3 50	2 43	2 43	2 78
1926	20 57	20 24	23 92	22 11	43 00	37 99	2 20	4 00	2 12	2 19	2 60
1927	19 58	19 58	23 85	22 09	43 00	35 45	2 02	4 52	1 92	1 99	2 44
1928	18 57	18 55	24 71	21 64	43 00	35 00	2 00	4 62	1 88	1 95	2 41
1929	18 66	17 69	21 16	19 68	43 00	33 27	1 83	4 68	1 82	1 83	2 29
1930	17 46	16 67	19 70	18 54	43 00	32 67	1 87	4 64	1 87	1 87	2 25
1931	18 78	18 19	18 49	20 00	43 00	34 66	1 92	4 13	1 93	1 92	2 30
1932	18 51	17 97	16 19	18 47	43 00	31 84	1 71	4 11	1 69	1 69	2 11
1933	16 94	15 85	14 52	17 35	43 00	29 36	1 62	3 69	1 62	1 62	2 02
	15 23	13 99	13 84	15 87	42 44	26 52	1 58	3 35	1 58	1 58	1 96
	16 41	15 24	16 31	16 47	39 36	26 00	1 64	3 35	1 61	1 63	1 95

¹ At furnace after 1907.² Bessemer or open-hearth rails from Oct. 22, 1921.³ Muck iron prior to 1892.⁴ Includes hot-rolled strip beginning 1920.⁵ Average for years 1898-1900⁶ Structural shapes from March 19, 1929.

No. 686.—ALUMINUM AND BAUXITE: PRODUCTION, EXPORTS, AND IMPORTS

	1913	1920	1925	1930	1931	1932	1933
BAUXITE							
Quantities, long tons (2,240 pounds).							
Production	210,241	521,308	316,540	330,612	195,895	96,349	154,176
Georgia, Alabama, and Tennessee	40,370	40,029	20,220	15,339	9,198	6,570	11,997
Arkansas	169,871	481,279	296,320	315,273	186,697	89,779	142,179
Imports for consumption	21,456	42,895	353,696	400,678	306,490	205,620	149,548
Exports	(¹)	22,257	78,633	104,504	88,370	28,474	21,760
Value of production ² (1,000 dollars)	998	3,247	1,988	1,928	1,141	548	923
ALUMINUM							
Value, 1,000 dollars.							
Production—							
Primary metal	9,450	41,375	36,430	50,961	37,284	20,453	16,174
Secondary metal	2,199	9,489	24,816	17,177	12,726	10,992	15,343
Imports for consumption, total	4,784	13,077	10,107	5,286	3,211	1,822	3,212
Crude and semicrude	4,388	12,184	9,806	4,690	2,540	1,339	2,755
Manufactures	396	893	301	596	671	483	457
Exports, total	966	5,631	6,057	7,122	2,855	1,452	1,329
Crude and semicrude		3,068	3,366	3,916	986	469	600
Manufactures		2,563	2,691	3,206	1,869	984	729
Quantities, 1,000 pounds:							
Imports (crude and semicrude)	25,095	39,299	41,997	25,461	14,833	8,185	15,270
Exports (crude and semicrude)	(¹)	9,408	12,642	17,330	4,701	4,437	5,708

¹ Unavailable² F o b mines

Sources: Table 685, Iron Age and American Iron and Steel Institute; Table 686, Bureau of Mines, Department of the Interior.

No. 687.—COPPER: PRODUCTION, EXPORTS, IMPORTS, AND CONSUMPTION

NOTE.—All quantities except ore produced in millions and tenths of millions of pounds. Production figures include continental United States and Alaska. Owing to the varying stages of production, the stocks in different classes of hands, the redistribution of copper previously purchased, the recovery and use of old copper, etc., calculations of consumption are somewhat uncertain. The American Bureau of Metal Statistics presents consumption estimates rather widely different from those given below. Consumption as shown represents the quantity of copper withdrawn on domestic account, but not actual domestic consumption, as no account is taken of consumers' stocks

Item	1910	1920	1925	1929	1930	1931	1932	1933
UNREFINED COPPER								
Ore produced (million short tons) ¹	28.5	36.8	53.1	68.4	47.4	34.0	(2)	(2)
Average copper yield, per cent.....	1.88	1.63	1.54	1.41	1.43	1.50	(2)	(2)
Smelter output from domestic ore.....	1,080.2	1,209.1	1,674.9	2,002.9	1,394.4	1,042.7	544.0	450.0
Mine production.....	1,088.2	1,224.6	1,678.1	1,995.1	1,410.1	1,057.7	476.2	392.4
Imports, unrefined.....								
Ore (copper content).....	64.2	52.0	107.6	124.6	101.3	23.6	14.0	12.5
Concentrates (copper content).....		46.8	54.0	53.7	56.9	99.4	44.2	37.8
Matte and regulus (copper content).....	21.0	17.6	1.7	2.1	4.7	1.5	1.7	2.4
Black, in bars, pigs, etc.....	259.2	244.7	379.3	646.2	560.5	281.9	161.7	227.3
REFINED COPPER PRODUCTION								
Total new and old copper.....	1,611.0	2,151.0	3,045.0	3,993.0	3,091.0	2,195.0	1,177.0	1,418.0
New copper (primary).....	1,422.0	1,526.2	2,204.6	2,740.1	2,157.1	1,501.4	680.9	741.6
Domestic.....	1,071.9	1,182.4	1,682.9	1,982.7	1,391.2	1,074.6	445.1	481.3
Foreign.....	350.1	343.7	521.7	757.4	765.8	426.8	235.8	260.2
Electrolytic.....	1,128.3	1,351.7	2,050.6	2,542.3	1,993.6	1,373.4	608.7	681.4
Lake.....	221.5	153.5	138.0	185.3	143.0	105.2	53.8	59.5
Casting and best select ⁴	72.3	21.0	15.9	12.5	20.5	22.8	18.3	.7
Old copper rerefined (secondary).....	189.0	624.9	840.4	1,253.1	934.4	694.0	496.4	676.2
REFINED COPPER CONSUMPTION								
New copper produced (refinery).....	1,422.0	1,526.2	2,204.6	2,740.1	2,157.1	1,501.4	680.9	741.6
Refined copper imported.....	(0)	108.7	99.8	134.0	86.2	174.4	167.8	10.9
Refined copper exported ⁵	708.3	553.1	1,022.3	903.5	669.3	464.2	250.1	264.7
Stocks, Dec 31 (refined) ⁶	122.8	659.0	124.0	306.0	615.0	924.6	1,004.0	513.0
Withdrawn on domestic account.....								
New refined copper.....	732.4	1,053.8	1,401.0	1,778.6	1,265.0	902.1	519.2	678.7
New and old copper.....	921.0	1,679.0	2,241.0	3,032.0	2,199.0	1,596.0	1,016.0	1,355.0

¹ 2,000 pounds

² Not available.

³ Imports of refined copper in ingots, bars, or other forms included in imports of unrefined

⁴ Some copper from Michigan was electrolytically refined and is included with electrolytic

⁵ Includes pig for years 1915 and 1920.

⁶ Includes small exports of unrefined black blister and converter copper (bars, pigs, etc.) prior to 1925

No. 688.—COPPER: SMELTER PRODUCTION BY STATE OF ORIGIN OF ORE SMELTED
[Quantities in thousands of pounds]

State of origin	1910	1920	1925	1929	1930	1931	1932	1933
Total	1,080,160	1,209,061	1,674,870	2,002,863	1,394,389	1,042,711	544,010	449,999
Alaska.....	4,311	66,094	72,204	39,868	36,380	23,233	13,267	1,576
Arizona.....	297,251	552,989	722,653	829,207	570,897	400,311	201,136	122,697
California.....	45,760	11,822	46,944	33,084	26,262	8,845	5,514	632
Colorado.....	9,307	4,233	3,163	10,520	12,944	9,029	8,976	8,882
Idaho.....	6,878	1,922	3,144	6,268	2,714	1,627	663	2,183
Michigan.....	221,463	153,484	138,030	185,301	142,986	105,222	63,899	72,341
Missouri.....		533	12	2	2			182
Montana.....	283,079	177,744	270,605	299,895	198,796	173,910	97,918	94,263
Nevada.....	64,495	55,580	77,138	138,990	87,475	71,233	32,616	42,507
New Mexico.....	3,786	52,160	76,467	100,165	74,188	66,776	32,915	24,948
Oregon.....	22	2,529	126	739	230	9	37	9
Pennsylvania.....	741	618	562	3,581	3,061	844	(1)	(1)
Tennessee.....	16,692	16,728	19,789	(1)	(1)	(1)	(1)	(1)
Utah.....	125,185	110,358	242,731	325,965	205,770	161,023	76,403	65,656
Washington.....	65	2,126	1,185	1,569	1,405	71	3	87
Undistributed.....	1,127	92	117	27,709	31,280	21,078	10,633	14,035

¹ Included under "Undistributed"

Source of Tables 687 and 688: Bureau of Mines, Department of the Interior.

No. 689.—COPPER: SMELTER AND REFINERY OUTPUT

NOTE.—Smelter output as here given represents the production of unrefined copper from domestic (including Alaskan) ores. Some copper ore is imported and smelted in this country, but this appears only in the figures of refined copper from imported material in Table 687.

[Quantities in millions of pounds; values in thousands of dollars]

Period	Smelter output from domestic ore		Year	Smelter output from domestic ore		Refinery output (quantity)			
	Quantity	Value		Quantity	Value	New copper			Secondary copper
						Total ¹	Domestic	Foreign ¹	
1850.....	1½	320	1911.....	1,097	137,154	1,434	1,097	337	214
1860.....	16	3,709	1912.....	1,243	205,139	1,568	1,243	325	273
1870.....	28	5,997	1913.....	1,224	189,795	1,615	1,237	378	276
1871-1875.....	34	8,895	1914.....	1,150	152,968	1,534	1,150	384	252
1876-1880.....	50	9,679	1915.....	1,388	242,902	1,634	1,388	247	395
1881-1885.....	118	17,236	1916.....	1,928	474,288	2,259	1,928	331	700
1886-1890.....	226	30,345	1917.....	1,886	514,911	2,428	1,886	542	767
1891-1895.....	339	37,266	1918.....	1,909	471,408	2,432	1,883	549	705
1896-1900.....	531	74,424	1919.....	1,286	239,274	1,805	1,433	372	574
1901-1905.....	732	103,859	1920.....	1,209	222,467	1,526	1,182	344	625
1906-1910.....	980	150,924	1921.....	506	65,221	951	609	341	435
1911-1915.....	1,221	185,592	1922.....	960	128,259	1,256	905	351	672
1916-1920.....	1,644	395,270	1923.....	1,435	210,945	1,980	1,464	516	822
1921-1925.....	1,240	171,275	1924.....	1,634	214,087	2,260	1,674	586	777
1926-1930.....	1,729	252,172	1925.....	1,675	237,832	2,205	1,683	522	840
1904.....	813	104,005	1926.....	1,740	243,547	2,322	1,731	591	960
1905.....	889	138,650	1927.....	1,684	220,609	2,326	1,719	607	980
1906.....	918	177,136	1928.....	1,826	262,930	2,488	1,792	696	1,073
1907.....	869	173,799	1929.....	2,003	352,504	2,740	1,983	757	1,253
1908.....	943	124,419	1930.....	1,394	181,271	2,157	1,391	766	934
1909.....	1,093	142,084	1931.....	1,043	94,887	1,501	1,075	427	694
1910.....	1,080	137,180	1932.....	544	34,273	681	445	236	496
			1933.....	450	28,800	742	481	260	676

¹ Includes refined copper imported to 1919, inclusive.

Source. Bureau of Mines, Department of the Interior.

No. 690.—EXPORTS AND IMPORTS OF COPPER

NOTE.—Exports are those classed as "domestic" in the foreign trade statistics but include copper smelted or refined in the United States from imported ore or unrefined metal. Values include all forms of copper. Quantities represent all copper except the small item, "other manufactures." Copper content of exports of ore for years 1891-1915 and of imports for years 1894-1903 was estimated.

[Quantities in short tons (2,000 pounds); values in thousands of dollars]

Yearly average or year	Exports		Imports		Year	Exports		Imports	
	Quantity	Value	Quantity	Value		Quantity	Value	Quantity	Value
1891-1895	65,586	14,392	5,477	896	1924	556,106	156,646	384,408	96,184
1896-1900	137,684	36,745	24,634	5,866	1925	540,376	161,166	326,486	84,270
1901-1905	190,451	54,942	83,237	22,611	1926	482,843	141,204	389,721	99,742
1906-1910	289,445	92,334	130,111	38,026	1927	538,365	150,214	359,161	84,963
1911-1915	416,840	123,655	176,635	46,129	1928	562,510	169,831	393,537	98,187
1916-1920	376,877	208,909	244,948	103,805	1929	499,237	183,405	487,156	153,710
1921-1925	438,337	129,761	298,975	77,811	1930	376,647	105,342	408,577	104,616
1926-1930	491,290	149,999	407,630	108,244	1931	278,937	54,748	292,946	48,745
1922	368,428	103,874	270,507	66,829	1932	164,111	21,236	195,996	23,735
1923	412,375	129,220	338,236	95,988	1933	174,627	24,917	143,717	17,554

¹ Fiscal years ended June 30.

² Average for period July 1, 1915, to Dec. 31, 1920.

Source. Bureau of Foreign and Domestic Commerce.

No. 691.—REFINED PRIMARY LEAD AND SECONDARY LEAD

NOTE.—Production in short tons (2,000 pounds); values, except price per pound, in thousands of dollars. This table, except the column for secondary lead, relates to new (primary) lead only, the totals include lead derived from both domestic (including Alaska) and foreign ore. General production figures and production of desilverized lead do not include antimonial lead, shown in next to the last column. This table represents exclusively refined lead, while in Table 692 part of the lead from domestic ore is unrefined

Year	Production	Value	Year	Production	Value	Year	Production	Value
1830.....	8,000	608	1900.....	367,773	32,364	1917.....	610,769	105,052
1840.....	17,000	1,666	1901.....	371,032	30,909	1918.....	640,195	90,908
1850.....	22,000	2,112	1902.....	367,892	30,167	1919.....	482,220	51,115
1860.....	15,600	1,778	1903.....	368,939	30,991	1920.....	529,657	84,745
1870.....	17,830	2,247	1904.....	393,452	33,337	1921.....	448,589	40,373
1880.....	95,725	9,573	1905.....	388,307	36,501	1922.....	532,662	58,593
1885.....	126,192	10,095	1906.....	404,746	46,141	1923.....	618,322	86,565
1890.....	157,844	14,206	1907.....	413,389	43,819	1924.....	690,493	110,479
1891.....	198,363	17,059	1908.....	396,564	33,311	1925.....	766,969	133,453
1892.....	208,223	17,074	1909.....	446,909	38,434	1926.....	798,941	127,831
1893.....	224,320	16,600	1910.....	470,272	41,384	1927.....	796,530	100,363
1894.....	213,650	14,101	1911.....	486,979	43,828	1928.....	781,071	90,604
1895.....	235,822	15,093	1912.....	480,894	43,280	1929.....	774,633	97,604
1896.....	257,487	15,449	1913.....	462,460	40,696	1930.....	643,033	64,303
1897.....	282,169	20,316	1914.....	542,122	42,286	1931.....	442,764	32,765
1898.....	302,148	22,963	1915.....	550,055	51,705	1932.....	288,361	17,302
1899.....	298,047	26,824	1916.....	571,134	78,817	1933.....	273,679	20,245

Year	Class		Source			Average value per pound	Antimonial lead, at primary refineries	Secondary lead recovered, total
	Desilverized ¹	Soft	Domestic ores and bullion ²	Foreign ores	Foreign base bullion			
1880.....	68,035	27,690	95,725	-----	-----	\$0.050	(3)	-----
1890.....	126,493	31,351	139,720	18,124	-----	.045	(3)	-----
1895.....	195,932	39,890	159,649	76,173	-----	.032	(3)	-----
1900.....	319,752	48,021	260,918	106,855	-----	.044	(3)	-----
1905.....	302,852	85,455	307,514	80,793	-----	.047	(3)	-----
1910.....	325,954	141,318	375,402	18,065	76,805	.044	(3)	55,422
1915.....	358,594	161,481	507,026	9,581	33,448	.047	(3)	78,900
1920.....	339,593	189,854	476,849	8,414	44,394	.050	(3)	124,650
1925.....	506,409	260,560	654,921	47,024	65,024	.067	(3)	226,650
1929.....	539,288	235,345	672,498	29,675	72,460	.063	43,244	311,000
1930.....	441,672	201,361	573,740	34,348	34,945	.050	24,797	255,800
1931.....	304,375	138,389	390,260	22,254	30,250	.037	21,842	234,700
1932.....	225,231	63,130	255,337	21,747	11,277	.030	21,024	198,300
1933.....	188,001	85,578	259,616	7,677	6,286	.037	17,805	224,500

¹ Desilverized soft lead is included.² Excludes antimonial lead.³ Not available

No. 692.—SOURCES OF PRIMARY LEAD SMELTED OR REFINED IN THE UNITED STATES

[Production in short tons (2,000 pounds). See headnote to Table 691]

Source of ore	1910	1920	1925	1929	1930	1931	1932	1933
Total.....	494,081	547,155	798,499	788,127	649,306	446,103	290,065	281,804
From domestic ore.....	389,211	494,347	688,451	685,992	580,013	393,699	257,041	267,841
Arizona.....	948	5,987	10,281	8,153	4,223	2,085	1,134	1,718
Colorado.....	38,542	17,752	31,855	23,675	25,091	6,311	2,288	2,169
Idaho.....	109,951	117,191	123,363	147,595	135,411	100,970	68,606	74,210
Kansas.....	1,308	8,421	15,001	126,104	113,103	1,601	5,667	15,089
Missouri.....	161,659	171,999	208,547	211,345	201,056	151,359	79,483	85,564
Montana.....	1,943	13,231	22,008	26,795	15,412	4,766	1,572	5,944
Nevada.....	2,246	8,650	10,978	13,256	14,091	8,348	3,990	2,318
New Mexico.....	1,890	1,123	3,782	12,249	11,250	11,045	10,806	10,727
Oklahoma.....	1,805	68,494	78,437	145,653	122,311	12,812	19,285	15,076
Utah.....	60,605	64,006	166,844	157,085	122,311	75,207	70,111	60,049
Undistributed.....	6,077	13,127	13,764	12,179	13,672	13,878	7,507	3,944
Zinc residues.....	2,237	4,366	1,541	1,903	695	717	392	1,033
From foreign ore ²	18,065	8,414	47,024	29,875	34,348	22,254	21,747	7,677
Canada.....	25	1,186	10,676	9,499	14,369	3,816	3,797	3,472
Europe.....	-----	19	470	28	41	43	4,491	2,600
Mexico.....	11,704	2,729	31,107	16,807	14,949	6,420	334	257
South America.....	2,996	2,747	4,496	3,285	3,476	2,299	2,631	1,348
From foreign base bullion ²	76,805	44,394	65,024	72,460	34,945	30,250	11,277	8,288
Mexico.....	76,805	42,421	65,024	51,295	18,592	30,072	11,164	6,021
Peru.....	-----	-----	-----	21,165	16,353	178	113	265

¹ Separation as between Kansas and Oklahoma is made on the basis of mine figures.² Totals include small unspecified items.

Source of Tables 691 and 692: Bureau of Mines, Department of the Interior.

No. 693.—SUPPLY AND DISTRIBUTION OF REFINED PRIMARY LEAD

NOTE.—All data in short tons (2,000 pounds) Apparent deliveries are only approximate, as no account (except for bonded warehouses prior to 1931) is taken of changes in stocks

	1910	1920	1925	1929	1930	1931	1932	1933
Supply, total.....	473,836	565,610	779,035	780,430	644,570	442,774	288,405	273,642
Stock in bonded warehouses Jan 1.....	79	234	5,045	4,139	1,328	(1)	(1)	(1)
Imports of pigs, bars, and old.....	3,485	35,719	7,021	1,658	209	10	44	63
Production from domestic and foreign ore.....	470,272	529,657	766,969	774,633	643,033	442,764	288,361	273,579
Deductions, total.....	78,661	27,590	123,380	87,665	61,796	32,168	30,736	29,343
Exports—								
Pig lead.....	69,786	20,093	103,519	73,251	48,307	21,665	23,516	22,835
In manufactures with benefit of drawback.....	8,800	6,175	11,699	13,086	12,161	10,503	7,220	6,508
Stock in bonded warehouses Dec. 31.....	75	1,322	8,162	1,328	(1)	(1)	(1)	(1)
Apparent deliveries to domestic consumers.....	395,175	538,020	655,655	692,765	582,774	410,606	257,669	244,299

¹ Stocks of pigs, bars, etc. in bonded warehouse not separately reported after April, 1930, included with base bullion. For purpose of calculating apparent deliveries in 1930, stocks in warehouse are estimated to have remained unchanged from beginning of the year.

Source. Bureau of Mines, Department of the Interior.

No. 694.—MANUFACTURES OF NONFERROUS METALS AND ALLOYS,¹ 1931

NOTE.—This table shows the production of the commodities specified, whether made as primary or as secondary products by the industries reporting them. The census designations of the industries in which these commodities are made as primary products are as follows: "Nonferrous-metal alloys, nonferrous-metal products, except aluminum, not elsewhere classified," and "Smelting and refining, nonferrous metals other than gold, silver, and platinum, not from the ore."

[Quantities in thousands of pounds, values in thousands of dollars]

Kind	1931		Kind	1931	
	Quantity	Value		Quantity	Value
Ingots and pigs:			Other tubing, including brazed..	2,492	573
Copper (secondary).....	52,558	3,756	Castings, rough.....		
Lead (secondary).....	277,392	11,473	Brass and bronze.....	209,266	33,468
Zinc (secondary).....	38,288	1,441	Copper.....		3,290
Brass and bronze.....	161,768	14,252	Nickel-alloy ²	4,068	2,227
Antifriction bearing metal.....	29,112	3,783	Finished products.....		
Solders, of all kinds.....	70,154	10,166	Castings, finished, brass and bronze.....		3,573
Type metal.....	58,508	3,538	Bearings and bushings, brass and bronze (including anti-friction linings).....		9,231
Plates and sheets:			Die castings.....		8,037
Brass and bronze.....	225,710	33,295	Extruded shapes.....		2,281
Copper.....	144,006	23,251	Forgings and hot-pressed parts, brass and bronze.....		2,807
Lead.....	33,176	2,227	Bells.....		470
Nickel and nickel-alloy.....	27,188	8,202			
Rods and bars:					
Brass and bronze.....	201,086	22,576			
Copper.....	180,708	18,553			
Nickel and nickel alloys.....	5,628	2,285			
Tubing (seamless) and pipe:					
Brass and bronze.....	97,904	16,773			
Copper.....	64,504	12,054			
Lead.....	44,388	2,906			
Nickel and nickel alloys.....	2,452	1,289			

¹ This table does not include data for establishments engaged in smelting and refining concentrates containing copper, lead, zinc, and other nonferrous metals

² Includes nonferrous heat-corrosion-resistant alloy castings

Source. Bureau of the Census, Department of Commerce

No. 695.—ZINC: PRODUCTION, EXPORTS, STOCKS, AND APPARENT CONSUMPTION

NOTE.—The excess of mine production over smelter production is due chiefly to export of ore
[All quantity figures in short tons (2,000 pounds); values in thousands of dollars]

	1910	1920	1925	1929	1930	1931	1932	1933 ¹
Mine production (recoverable zinc content of ore) -----	327, 618	587, 524	710, 847	724, 478	595, 495	410, 318	285, 231	384, 186
Colorado-----	38, 545	24, 395	30, 811	29, 431	30, 259	16, 187	109	1, 285
Idaho-----	2, 802	13, 966	15, 619	45, 675	37, 649	19, 569	10, 252	21, 090
Kansas-----	13, 229	61, 073	118, 778	109, 850	74, 304	39, 051	26, 277	40, 947
Missouri-----	128, 559	24, 509	14, 794	11, 017	10, 811	3, 205	986	5, 042
Montana-----	15, 819	92, 169	57, 658	68, 176	26, 421	6, 747	2, 197	20, 750
Nevada-----	1, 354	5, 349	7, 411	8, 460	14, 584	10, 431	127	6, 150
New Jersey-----	68, 584	78, 511	89, 261	103, 740	97, 626	94, 285	81, 460	75, 125
New Mexico -----	9, 044	5, 007	9, 246	34, 455	32, 765	27, 866	25, 593	30, 924
New York-----	5, 654	5, 158	10, 250	10, 250	22, 471	24, 100	16, 794	17, 733
Oklahoma-----	6, 394	219, 727	283, 371	192, 042	136, 153	78, 132	63, 437	91, 065
Tennessee-----	966	19, 217	16, 256	40, 558	48, 147	38, 312	18, 514	32, 770
Utah-----	8, 184	4, 079	26, 306	51, 510	44, 495	37, 291	29, 666	29, 745
Wisconsin-----	25, 927	27, 285	20, 230	16, 986	12, 558	10, 088	7, 522	7, 800
Other States-----	8, 181	6, 583	15, 948	2, 328	1, 182	5, 054	2, 297	3, 760
Smelter production -----	310, 407	506, 227	634, 376	690, 847	547, 345	326, 798	227, 148	355, 282
Primary zinc-----	269, 184	463, 377	572, 946	625, 447	498, 045	291, 996	207, 148	307, 182
From domestic ore-----	252, 479	450, 045	555, 631	612, 136	489, 351	291, 996	207, 148	306, 010
From foreign ore-----	16, 705	13, 332	17, 315	13, 311	8, 684	-----	-----	1, 172
Secondary zinc-----	41, 223	42, 850	61, 430	65, 400	49, 300	34, 800	20, 000	48, 100
Redistilled-----	12, 784	21, 371	39, 181	47, 348	34, 849	21, 625	14, 718	30, 087
Remelted-----	28, 439	21, 479	22, 249	18, 052	14, 451	13, 175	5, 282	18, 013
Value of primary product from domestic ore (\$1,000) -----	27, 268	72, 907	84, 456	80, 802	46, 979	22, 192	12, 429	25, 705
Primary zinc consumed:								
Supply, total-----	282, 350	508, 347	593, 724	674, 105	584, 295	459, 586	351, 089	437, 315
Stock, Jan. 1-----	11, 206	36, 793	20, 754	48, 432	85, 904	167, 293	143, 592	128, 192
Produced-----	269, 184	463, 377	572, 946	625, 447	498, 045	291, 996	207, 148	307, 182
Imported-----	1, 960	8, 177	24	226	346	297	349	1, 941
Deductions:								
Exports, total-----	13, 234	114, 267	80, 547	19, 676	8, 533	3, 402	9, 617	5, 030
Stock, Dec 31-----	23, 232	71, 037	13, 080	85, 904	167, 293	143, 592	128, 192	110, 487
Apparent deliveries to domestic consumers -----	245, 884	323, 043	500, 097	568, 525	408, 469	312, 592	213, 280	321, 798

¹ Preliminary.² Includes Virginia.³ Includes small quantity of secondary electrolytic zinc.

Source Bureau of Mines, Department of the Interior.

No. 696.—SMELTER PRODUCTION OF PRIMARY ZINC FROM DOMESTIC ORE

[Quantities in short tons (2,000 pounds); values¹ in thousands of dollars]

Yearly average or year	Quantity	Value	Yearly average or year	Quantity	Value	Year	Quantity	Value
1875-----	15, 833	2, 217	1921-1925-----	426, 261	56, 149	1924-----	515, 831	67, 058
1880 ² -----	23, 239	2, 277	1926-1930-----	576, 395	73, 119	1925-----	555, 631	84, 456
1885-----	40, 688	3, 540	1916-----	564, 338	151, 243	1926-----	611, 991	91, 799
1886-1890-----	54, 285	5, 219	1917-----	584, 597	119, 258	1927-----	576, 960	73, 851
1891-1895-----	82, 396	6, 787	1918-----	492, 405	89, 618	1928-----	591, 525	72, 166
1896-1900-----	109, 963	10, 180	1919-----	452, 272	66, 032	1929-----	612, 136	80, 802
1901-1905-----	169, 504	17, 067	1920-----	450, 045	72, 907	1930-----	489, 361	46, 979
1906-1910-----	219, 378	24, 165	1921-----	198, 232	19, 823	1931-----	291, 996	22, 192
1911-1915-----	346, 867	52, 416	1922-----	363, 274	40, 273	1932-----	207, 148	12, 429
1916-1920-----	508, 731	99, 812	1923-----	508, 335	69, 134	1933-----	306, 010	25, 705

¹ Values at New York prices, up to and including 1907; at St. Louis prices, 1908 to 1914; at average price allgrades, 1915 and later years.² Computed at yearly average of high and low monthly prices at New York.³ Census year ended May 31.

Source: Bureau of Mines, Department of the Interior.

No. 697.—GOLD AND SILVER: PRODUCTION FROM MINES IN CONTINENTAL UNITED STATES, ALASKA, PUERTO RICO, AND PHILIPPINE ISLANDS

NOTE.—The value of gold, in terms of money, being unchanging from 1837 to 1933 at \$20 67+ per fine ounce, is not shown in the table. In 1933, varying higher prices prevailed subsequent to the Executive order of Aug. 29 (for 1933 data regarding value of gold production, see note 6, Table 673). The value of silver given is commercial value (Pittman Act value for 1921 to June 1923), which at times has differed materially from coinage value.

[Figures are totals for period or for year]

Calendar year or period	Gold, 1,000 fine ounces	Silver, 1,000 fine ounces	Silver, value, 1,000 dollars	Calendar year	Gold, 1,000 fine ounces	Silver, 1,000 fine ounces	Silver, value, 1,000 dollars
1792-1847.....	1,187	310	405	1902.....	3,870	55,500	29,415
1848-1850.....	4,838	116	152	1903.....	3,560	54,300	29,322
1851-1855.....	14,271	194	259	1904.....	3,892	57,683	33,455
1856-1860.....	12,384	309	418	1905.....	4,266	56,102	34,222
1861-1865.....	10,716	28,811	38,674	1906.....	4,565	56,518	38,256
1866-1870.....	12,226	49,113	65,261	1907.....	4,375	56,515	37,300
1871-1875.....	8,826	121,083	156,270	1908.....	4,574	52,441	28,051
1876-1880.....	10,301	157,681	182,506	1909.....	4,822	54,722	28,455
1881-1885.....	7,730	182,841	202,807	1910.....	4,657	57,138	30,855
1886-1890.....	8,078	231,819	227,495	1911.....	4,687	60,399	32,616
1891-1895.....	9,107	287,057	227,960	1912.....	4,521	63,767	32,118
1896-1900.....	15,729	279,544	172,689	1913.....	4,300	66,802	40,348
1901-1905.....	19,394	278,798	159,543	1914.....	4,573	72,455	40,068
1906-1910.....	22,993	277,333	162,916	1915.....	4,888	74,961	37,397
1911-1915.....	22,968	338,384	189,626	1916.....	4,479	74,415	48,953
1916-1920.....	17,246	326,009	298,852	1917.....	4,051	71,740	59,078
1921-1925.....	12,229	314,190	259,162	1918.....	3,321	67,810	66,485
1926-1930.....	11,259	293,692	159,829	1919.....	2,919	56,682	63,534
1887.....	1,603	41,722	40,887	1920.....	2,476	58,362	60,802
1888.....	1,604	45,793	43,045	1921.....	2,422	53,052	1 53,052
1889.....	1,595	50,095	46,838	1922.....	2,363	56,240	1 56,240
1890.....	1,589	54,516	57,242	1923.....	2,503	73,335	1 80,135
1891.....	1,605	58,330	57,630	1924.....	2,529	65,407	43,823
1892.....	1,597	63,500	55,663	1925.....	2,412	66,155	46,912
1893.....	1,739	60,000	46,800	1926.....	2,385	62,719	39,136
1894.....	1,911	49,500	31,422	1927.....	2,197	60,434	34,266
1895.....	2,255	55,727	36,446	1928.....	2,233	58,463	34,201
1896.....	2,568	58,335	39,655	1929.....	2,208	61,228	32,688
1897.....	2,775	53,860	32,316	1930.....	2,286	50,748	19,538
1898.....	3,118	54,438	32,118	1931.....	2,396	30,932	8,770
1899.....	3,437	54,765	32,859	1932.....	2,449	23,981	6,963
1900.....	3,830	57,647	35,741	1933.....	2,556	23,003	8,051
1901.....	3,806	55,214	33,128				

State or Territory	Gold, 1,000 fine ounces					Silver, 1,000 fine ounces					Silver, value, 1933, 1,000 dollars
	1910	1920	1930	1932	1933	1910	1920	1930	1932	1933	
Total.....	4,657	2,476	2,286	2,449	2,556	57,138	55,362	50,748	23,981	23,003	8,051
Alaska.....	787	413	407	433	457	154	822	392	257	155	54
Arizona.....	165	240	149	67	72	2,656	5,432	4,910	2,187	2,145	751
California.....	989	716	450	570	595	1,792	1,655	1,434	509	354	124
Colorado.....	993	363	218	270	285	8,523	5,167	4,852	1,653	2,163	767
Idaho.....	50	23	21	41	56	7,027	7,365	9,710	6,591	6,627	2,819
Michigan.....					(?)	262	512	11	71	126	44
Montana.....	180	92	47	38	61	12,283	13,263	8,597	2,336	3,564	1,247
Nevada.....	913	175	140	128	101	12,366	7,482	4,179	1,305	1,031	361
New Mexico.....	23	22	32	20	27	779	700	1,160	1,108	1,163	407
Oregon.....	33	50	14	20	20	44	102	10	9	18	6
South Dakota.....	260	210	406	479	520	121	88	105	125	130	46
Texas.....	(?)	(?)	(?)	(?)	(?)	364	523	469	1	(?)	(?)
Utah.....	209	103	209	146	93	10,446	11,755	14,451	7,680	5,298	1,854
Washington.....	39	7	4	4	5	205	178	30	18	16	6
Philippine Islands.....	7	62	185	230	230	2	22	121	149	181	63
Other.....	8	(?)	3	3	4	115	296	317	31	31	11

¹ For 1921, 1922, and first half of 1923 price is taken at the figure of \$1 per ounce fixed by the Pittman Act.

² Less than \$500 or 500 ounces.

Source Reports of the Director of the Mint, Treasury Department.

No. 698.—GOLD AND SILVER FOR USE IN MANUFACTURES AND THE ARTS

Yearly average or year	Gold in thousands of dollars					Silver in thousands of fine ounces				
	New material			Old material	Grand total	New material			Old material	Grand total
	United States coin ¹	Bullion and foreign coin	Total			United States coin ¹	Bullion and foreign coin	Total		
1880.....	3,300	5,511	8,811	1,294	10,105	464	2,126	2,590	204	2,794
1881-1885.....	3,715	6,991	10,706	1,863	12,568	155	3,685	3,840	315	4,155
1886-1890.....	3,500	8,512	12,012	4,029	16,041	155	4,831	4,986	676	5,662
1891-1895.....	3,500	7,948	11,448	5,060	16,508	108	6,938	7,046	951	7,997
1896-1900.....	3,500	9,399	12,899	4,067	16,965	77	8,937	9,014	1,200	10,214
1901-1905.....	3,500	18,218	21,718	6,778	28,496	77	16,447	16,524	3,002	19,526
1906-1910.....	3,500	26,941	30,441	7,708	38,149	77	20,807	20,884	3,660	24,543
1911-1915.....	2,500	28,121	30,621	9,967	40,588	77	23,438	23,516	6,928	30,444
1916-1920.....	1,000	38,831	39,831	22,033	61,864	77	22,011	22,089	9,126	31,214
1921-1925.....	1,000	29,321	30,321	29,275	59,596	77	28,538	28,616	8,189	36,805
1926-1930.....	1,000	23,747	24,747	30,450	55,197	77	28,059	28,137	10,325	38,461
1925.....	1,000	30,134	31,134	30,092	61,226	77	29,852	29,929	9,897	39,827
1926.....	1,000	29,927	30,927	32,063	62,991	77	29,330	29,408	10,001	39,408
1927.....	1,000	25,450	26,450	30,369	56,820	77	28,416	28,493	10,155	38,648
1928.....	1,000	25,306	26,306	30,276	56,582	77	24,854	24,931	10,616	35,548
1929.....	1,000	23,873	24,873	32,031	56,904	77	30,900	30,978	11,382	42,359
1930.....	1,000	14,178	15,178	27,512	42,689	77	26,797	26,874	9,469	36,343
1931.....	1,000	4,931	5,931	23,227	29,158	77	24,258	24,336	9,346	33,682
1932.....	1,000	² 7,490	² 6,490	26,595	20,105	77	14,384	14,461	9,797	24,258

¹ Estimated.² Excess of return from industry over amount used by industry.

No. 699.—SILVER: PRICE AND VALUE OF SILVER IN THE DOLLAR

NOTE.—The London price is converted to the basis of the ounce 1,000 fine and converted to American money throughout at par of exchange, notwithstanding the fact that from 1913 to 1924, and in 1931, 1932, and 1933 the pound sterling was depreciated as compared to the dollar. The commercial ratio is computed on the basis of London quotations through 1914, thereafter, on the basis of the New York average price. The value of fine silver (371¼ grains) in the dollar is computed on the basis of London quotations through 1917; thereafter, on the basis of the New York average price.

Calendar year	London, per fine ounce	New York, per fine ounce			Commercial ratio to gold	Value of silver in dollar	Calendar year	London, per fine ounce	New York, per fine ounce			Commercial ratio to gold	Value of silver in dollar
		Average	High	Low					Average	High	Low		
1835.....	1.308	-----	-----	-----	15 80	-----	1906.....	.677	.674	.724	.631	30 54	.524
1840.....	1.323	-----	-----	-----	15 62	1.023	1907.....	.662	.660	.710	.525	31.24	.512
1845.....	1.298	-----	-----	-----	15 92	1.004	1908.....	.535	.535	.589	.483	38 64	.414
1850.....	1.316	-----	-----	-----	15 70	1.018	1909.....	.520	.522	.545	.508	39 74	.402
1855.....	1.344	-----	-----	-----	15 38	1.039	1910.....	.541	.542	.576	.508	38.22	.418
1860.....	1.352	-----	-----	-----	15 29	1.045	1911.....	.539	.540	.575	.521	38 33	.417
1865.....	1.338	-----	-----	-----	15 44	1.035	1912.....	.615	.620	.656	.553	33 62	.475
1870.....	1.328	-----	-----	-----	15 57	1.027	1913.....	.605	.612	.651	.580	34.19	.468
1875.....	1.242	1.239	1.261	1.210	16 64	.961	1914.....	.553	.563	.609	.490	37.37	.428
1880.....	1.145	1.139	1.150	1.113	18.05	.886	1915.....	.519	.511	.580	.478	40.48	.401
1885.....	1.065	1.064	1.095	1.028	19 41	.824	1916.....	.686	.672	.791	.573	30 78	.531
1889.....	.935	.936	.973	.925	22 10	.723	1917.....	.895	.840	1.165	.731	24.61	.692
1890.....	1.046	1.053	1.205	.958	19.75	.809	1918.....	1.042	.984	1.019	.889	21.00	.761
1891.....	.988	.990	1.075	.948	20 92	.764	1919.....	1.250	1.121	1.383	1.014	18.44	.867
1892.....	.871	.876	.953	.830	23 72	.674	1920.....	1.346	1.019	1.379	.604	20.28	.738
1893.....	.780	.782	.850	.650	26 49	.604	1921.....	.805	.631	.738	.532	32 76	.488
1894.....	.635	.640	.700	.595	32 56	.491	1922.....	.754	.679	.742	.629	30 43	.525
1895.....	.654	.663	.690	.600	31.60	.506	1923.....	.700	.652	.690	.629	31 69	.505
1896.....	.676	.682	.703	.656	30 59	.523	1924.....	.745	.671	.724	.630	30 80	.519
1897.....	.604	.608	.661	.528	34.20	.467	1925.....	.703	.694	.732	.668	29.78	.537
1898.....	.590	.591	.623	.551	35 03	.456	1926.....	.629	.624	.689	.518	33 11	.483
1899.....	.602	.605	.648	.586	34 36	.465	1927.....	.571	.567	.603	.542	36.47	.438
1900.....	.620	.621	.658	.598	33 33	.480	1928.....	.586	.585	.639	.568	35 34	.462
1901.....	.596	.597	.645	.548	34.68	.461	1929.....	.536	.533	.578	.468	38 78	.412
1902.....	.528	.528	.569	.474	39 15	.408	1930.....	.387	.385	.472	.311	53 74	.298
1903.....	.543	.542	.624	.475	38.10	.420	1931.....	.320	.290	.376	.261	71 25	.224
1904.....	.579	.578	.625	.534	35 70	.448	1932.....	.391	.282	.313	.245	73 29	.218
1905.....	.610	.610	.665	.556	33 87	.472	1933.....	.398	.350	.453	.248	59 06	.271

Source of Tables 698 and 699: Annual Reports of the Director of the Mint, Treasury Department.

No. 700.—COKE: PRODUCTION, EXPORTS, AND IMPORTS

Yearly average or year	Production in thousands of short tons (2,000 pounds)			By-product ovens, per cent of total	Production (value) in thousands of dollars	Exports	Imports ¹
	Total	Beehive ovens	By-product ovens			Thousand of short tons (2,000 pounds)	
1896-1900.....	16,265	15,741	524	3 2	30,293	265	54
1901-1905.....	25,673	23,566	2,107	8 2	58,581	519	150
1906-1910.....	36,848	31,296	5,552	15 1	91,068	904	159
1911-1915.....	40,394	29,000	11,394	28 2	103,739	897	98
1916-1920.....	52,429	27,733	24,696	47 1	320,799	1,182	34
1921-1925.....	42,985	11,026	31,959	74 4	251,967	734	99
1926-1930.....	53,724	6,687	47,037	87 6	262,212	1,027	171
1916.....	54,534	35,464	19,069	35 0	170,841	1,175	55
1917.....	55,607	33,168	22,439	40 4	298,243	1,409	26
1918.....	56,478	30,481	25,998	46 0	382,324	1,688	30
1919.....	44,181	19,043	25,138	56 9	258,340	717	16
1920.....	51,345	20,511	30,834	60 0	475,981	920	41
1921.....	25,288	5,538	19,750	78 1	147,673	307	31
1922.....	37,124	8,573	28,551	76 9	238,313	512	94
1923.....	56,978	19,380	37,598	66 0	373,497	1,237	85
1924.....	44,270	10,286	33,984	76 8	244,042	660	83
1925.....	51,267	11,355	39,912	77 9	262,559	954	202
1926.....	56,866	12,489	44,377	78 0	307,773	987	285
1927.....	51,092	7,207	43,885	85 9	292,321	807	169
1928.....	52,806	4,493	48,313	91 5	252,834	1,098	148
1929.....	59,884	6,472	53,412	89 2	278,995	1,238	120
1930.....	47,972	2,776	45,196	94 2	206,137	1,004	133
1931.....	33,484	1,128	32,356	96 6	161,609	754	104
1932.....	21,789	652	21,137	97 0	104,337	630	117
1933.....	27,555	877	26,678	96 8	122,844	638	171

¹ Imports entered for consumption prior to 1925.

No. 701.—COKE: BY-PRODUCT AND BEEHIVE PRODUCTION, BY STATES

[Figures in thousands of short tons (2,000 pounds)]

	1915	1920	1925	1928	1929	1930	1931	1932	1933
BY-PRODUCT									
Total.....	14,073	30,834	39,912	48,313	53,412	45,196	52,356	21,137	26,678
Alabama.....	2,070	3,124	4,582	4,327	4,754	3,987	2,943	1,401	1,669
Colorado.....		2,517	490	606	565	379	226	92	140
Illinois.....	1,687	2,137	3,012	3,241	4,204	3,576	2,479	1,428	1,501
Indiana.....	2,768	4,554	5,142	6,094	6,455	4,984	2,757	1,435	2,089
Maryland.....	313	682	1,019	1,186	1,393	1,169	818	500	702
Massachusetts.....	504	488	535	687	777	863	1,150	987	1,020
Michigan.....	(¹)	1,393	1,751	2,400	2,680	2,604	2,437	2,165	2,341
Minnesota.....	128	675	518	623	746	641	440	386	412
New Jersey.....	269	726	904	933	898	919	931	806	835
New York.....	684	1,040	2,220	3,803	4,299	3,850	3,578	3,130	3,427
Ohio.....	666	5,615	7,105	7,786	8,521	6,163	3,933	2,347	3,677
Pennsylvania.....	3,092	7,730	9,853	13,475	14,459	12,529	7,525	4,038	6,170
West Virginia.....	141	447	1,056	1,368	1,431	1,479	1,265	903	1,074
All other States.....	1,749	1,706	1,725	1,814	2,199	2,051	1,873	1,520	1,621
BEEHIVE									
Total.....	27,508	20,511	11,355	4,493	6,472	2,776	1,128	652	877
Pennsylvania.....	22,531	15,908	9,574	3,442	5,368	2,011	856	506	670
Ohio.....	19	87	156	(¹)					
West Virginia.....	1,250	1,381	490	431	497	422	114	49	80
Alabama.....	1,001	890	88						
Kentucky.....	285	273	(¹)	(¹)					
Tennessee.....	234	163	128	104	96	25	17	11	11
Virginia.....	630	1,028	422	248	315	220	99	56	70
Colorado.....	671	273	155	144	156	79	(¹)	24	35
Utah.....	(¹)	(¹)	146	28	14	7	(¹)	6	10
All other States.....	887	509	196	46	26	12	43	1	(²)

¹ Included under "all other States."² Less than 500 tons

Source of Tables 700 and 701 Bureau of Mines, Department of the Interior.

No. 702.—COAL PRODUCTION: QUANTITY AND VALUE

NOTE.—Quantities in thousands of short tons (2,000 pounds); values in thousands of dollars. Includes coal consumed at mines. Figures for anthracite relate to Pennsylvania output only, those for bituminous relate to continental United States and Alaska. Bituminous coal includes brown coal and small amounts of anthracite outside of Pennsylvania. Comparatively little coal is held in stock at the mines

Year or yearly average	Quantity			Year	Quantity			Value	
	Total	Anthracite	Bituminous		Total	Anthracite	Bituminous	Anthracite	Bituminous
1821-1830	140	66	75	1911	496,371	90,464	405,907	175,189	451,376
1831-1840	1,032	722	310	1912	534,467	84,362	450,105	177,623	517,983
1841-1850	4,535	2,697	1,837	1913	569,960	91,525	478,435	195,181	565,235
1851-1860	12,513	7,445	4,868	1914	513,525	80,822	432,704	185,181	493,309
1861-1865	20,538	11,142	9,396	1915	531,619	88,995	442,624	184,653	502,038
1866-1870	31,706	16,281	15,425	1916	590,098	87,578	502,520	202,010	665,116
1871-1875	52,179	23,407	28,773	1917	651,402	99,612	551,791	283,651	1,249,273
1876-1880	62,261	25,800	36,461	1918	678,212	98,826	579,386	336,480	1,491,810
1881-1885	107,291	36,198	71,093	1919	553,952	88,092	465,860	364,927	1,160,616
1886-1890	138,398	43,952	94,446	1920	558,265	89,598	468,667	434,252	2,129,933
1891-1895	178,822	53,405	125,416	1921	506,395	90,473	415,922	452,305	1,199,984
1896-1900	227,123	55,625	171,498	1922	476,951	54,633	422,268	273,700	1,274,820
1901-1905	339,357	66,854	272,503	1923	657,904	93,389	564,565	506,787	1,514,621
1906-1910	454,555	81,142	373,413	1924	571,613	87,927	483,687	477,231	1,062,626
1911-1915	529,189	89,233	439,955	1925	581,870	61,817	520,053	327,665	1,060,402
1916-1920	626,386	92,741	533,645	1926	657,804	84,437	573,367	474,164	1,183,417
1921-1925	558,947	77,648	481,299	1927	597,859	80,096	517,763	420,942	1,029,652
1926-1930 ¹	595,497	76,619	518,878	1928	576,093	75,348	500,745	393,638	933,774
1907	480,363	85,604	394,759	1929	608,817	73,828	534,989	385,643	952,781
1908	415,843	83,269	332,574	1930	536,911	69,385	467,526	354,574	795,483
1909	460,815	81,070	379,744	1931	441,735	59,646	382,089	296,355	588,895
1910	501,596	84,485	417,111	1932	359,565	49,855	309,710	222,375	406,677
				1933 ²	377,839	49,399	327,940	213,400	445,998

State	1911-1915	1916-1920	1921-1925	1926-1930 ¹	1929 ¹	1930 ¹	1931 ¹	1932 ¹	1933 ¹
Total quantity	529,189	626,386	558,947	595,497	608,817	536,911	441,735	359,565	377,839
Anthracite (Pa.)	89,233	92,741	77,648	76,619	73,828	69,385	59,646	49,855	49,399
Bituminous	439,956	533,645	481,299	518,878	534,989	467,526	382,089	309,710	327,940
Alabama	15,864	17,834	18,097	18,380	17,944	15,570	11,999	7,856	8,775
Arkansas	1,986	1,980	1,261	1,579	1,695	1,533	1,154	1,033	(³)
Colorado	9,433	11,595	10,049	9,665	9,921	8,197	6,604	5,599	5,211
Illinois	58,320	78,255	68,523	57,310	60,658	53,731	44,303	33,475	36,110
Indiana	16,060	25,515	21,077	18,467	18,344	16,490	14,295	13,324	13,500
Iowa	7,442	7,671	4,952	3,879	4,241	3,893	3,388	3,862	3,230
Kansas	6,811	6,556	3,827	3,215	2,976	2,430	1,987	1,953	(⁴)
Kentucky	18,380	30,108	43,743	61,116	60,463	51,209	39,964	35,300	35,530
Maryland	4,549	4,158	2,083	2,700	2,649	2,271	2,006	1,429	1,500
Michigan	1,271	1,301	976	705	804	661	359	446	340
Missouri	4,048	5,086	3,011	3,538	4,030	3,853	3,621	4,070	4,530
Montana	2,972	4,008	2,881	3,139	3,408	3,022	2,378	2,125	2,130
New Mexico	3,618	3,728	2,772	2,612	2,623	1,969	1,553	1,263	1,160
North Dakota	506	787	1,221	1,622	1,862	1,700	1,619	1,740	1,650
Ohio	28,553	40,609	31,590	21,111	23,689	22,552	20,411	13,909	19,960
Oklahoma	3,720	4,292	2,741	3,346	3,774	2,794	1,908	1,255	3,170
Pennsylvania	157,229	168,532	133,721	137,038	143,516	124,463	97,659	74,776	79,770
Tennessee	6,288	6,208	5,078	5,544	5,405	5,130	4,721	3,538	3,570
Texas	2,201	1,980	1,084	1,107	1,101	834	716	637	610
Utah	2,999	4,693	4,593	4,683	5,160	4,258	3,850	2,852	2,610
Virginia	7,924	10,158	10,648	12,521	12,748	10,907	9,699	7,692	8,390
Washington	3,261	3,576	2,626	2,513	2,521	2,302	1,846	1,591	1,460
West Virginia	69,353	86,369	97,044	136,315	138,519	121,473	101,473	85,609	90,770
Wyoming	6,907	8,555	6,812	6,526	6,705	6,088	4,994	4,171	3,985
Miscellaneous	259	190	239	246	231	196	182	204	119

¹ Exclusive of product of wagon mines³ Arkansas included with Oklahoma.² Preliminary.⁴ Kansas included with Missouri.

Source Bureau of Mines, Department of the Interior

No. 703.—COAL: EXPORTS, IMPORTS, AND BUNKER COAL LADEN ON VESSELS IN FOREIGN TRADE

[Quantities in thousands of long tons (2,240 pounds), values in thousands of dollars]

Yearly average or year	Total exports ¹		Anthracite exports		Bituminous exports ¹		Total imports		Bunker coal	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
1891-1895 ²	3,028	10,012	1,128	4,929	1,900	5,081	1,237	3,984	-----	-----
1896-1900 ²	4,710	13,300	1,469	6,268	3,241	7,032	1,403	3,831	-----	-----
1901-1905 ²	7,750	24,254	1,846	8,782	5,903	15,472	2,287	6,376	-----	-----
1906-1910 ²	12,018	36,595	2,646	13,034	9,372	23,770	1,727	4,630	5,638	18,291
1911-1915	19,132	58,362	3,793	19,624	15,379	38,738	1,437	4,069	7,289	23,890
1914	17,632	54,316	3,830	20,211	13,802	34,105	1,395	3,928	7,266	24,146
1915	20,305	61,246	3,540	18,429	16,765	42,817	1,524	4,413	7,471	25,193
1916	23,143	68,298	4,166	22,470	18,977	45,828	1,536	4,734	7,826	27,492
1917	26,649	110,413	5,364	30,910	21,285	79,503	1,304	4,842	6,883	31,845
1918	24,392	107,881	4,436	29,216	19,956	78,665	1,334	6,598	5,532	29,868
1919	22,402	120,877	4,443	36,668	17,959	83,709	977	5,473	7,343	48,206
1920	39,215	349,811	4,825	45,538	34,390	304,273	1,140	6,992	9,362	82,462
1921	24,829	168,222	4,176	45,625	20,653	122,597	1,131	7,457	7,548	52,278
1922	13,449	91,242	2,366	25,351	11,083	65,892	4,726	28,250	4,120	27,913
1923	23,700	154,124	4,545	49,577	19,155	104,547	1,949	12,249	4,547	31,470
1924	18,855	111,039	3,587	40,068	15,268	70,971	478	3,019	3,983	22,883
1925	18,429	100,163	2,838	31,761	15,591	68,403	879	5,846	4,344	23,398
1926	35,091	196,905	3,598	41,086	31,493	155,819	1,201	9,301	6,907	38,025
1927	19,051	104,257	2,969	32,928	16,082	71,329	597	3,284	4,076	22,077
1928	17,411	92,121	2,979	32,657	14,433	59,464	831	4,969	3,834	20,258
1929	18,603	98,310	3,041	32,569	15,562	65,742	877	5,486	3,827	19,575
1930	16,455	83,694	2,278	24,509	14,176	59,186	818	5,525	3,122	15,697
1931	12,415	60,457	1,588	17,062	10,827	43,395	754	5,160	1,900	9,639
1932	9,083	41,752	1,164	12,064	7,870	29,688	709	4,420	1,204	5,534
1933	8,992	37,611	924	9,040	8,069	28,572	584	3,433	1,175	5,241

¹ Does not include fuel or bunker coal laden on vessels engaged in the foreign trade.² Fiscal years ended June 30. ³ Average for period July 1, 1905, to Dec 31, 1910.⁴ Figures do not include coal laden on vessels on the Great Lakes in 1906, 1907, and 1908.

No. 704.—COAL: SHIPMENTS, AVERAGE VALUE PER TON, AND MEN EMPLOYED

Calendar year	Thousand tons (2,000 pounds)				Average value per ton	Average number of men employed	Average number of days worked	Average tonnage per man—		Per cent mined by machine	Capacity of mines ¹ (million tons ²)
	Loaded for shipment	Sold locally	Used by mines	Made into coke at mines				Per day	Per year		
ANTHRACITE											
1890	41,011	2,001	3,457	-----	\$1 43	126,000	200	1.85	369	(?)	71
1895	52,093	1,315	4,591	-----	1 41	142,917	196	2.07	406	(?)	90
1900	50,710	1,208	5,550	-----	1 49	144,206	166	2.40	398	(?)	105
1905	69,053	1,571	7,036	-----	1 83	165,406	215	2.18	470	(?)	110
1910	73,623	2,021	8,841	-----	1 90	169,497	229	2.17	498	(?)	112
1915	76,906	2,092	9,997	-----	2 07	176,552	230	2.19	504	1.5	118
1920	76,844	2,897	9,858	-----	4 85	145,074	271	2.28	618	1.1	101
1925	53,768	2,885	5,164	-----	5 30	160,312	182	2.12	386	1.6	103
1929	65,295	3,233	5,301	-----	5 22	151,501	225	2.17	487	1.6	89
1930	61,202	3,144	5,038	-----	5 11	150,804	208	2.21	460	2.0	90
1931	52,636	2,901	3,986	-----	4 97	139,431	181	2.37	428	2.8	100
1932	43,862	2,810	3,150	-----	4 46	121,243	162	2 54	411	3 4	94
BITUMINOUS											
1890	87,373	7,008	1,607	15,332	.99	192,204	226	2 56	579	5 3	151
1895	106,287	8,340	2,086	18,404	.86	239,962	194	2 90	563	11 9	216
1900	173,072	7,868	3,740	27,635	1 04	304,375	234	2 98	697	24 9	281
1905	255,201	10,639	7,007	42,412	1 06	460,629	211	3 24	684	32 8	459
1910	342,969	12,287	9,668	52,187	1 12	555,533	217	3 46	751	41 7	592
1915	379,877	12,354	9,799	40,595	1 13	557,456	203	3 91	794	55 0	671
1920	504,873	21,289	11,896	30,608	3 75	639,547	220	4 00	881	59 8	798
1925	477,173	21,351	5,776	15,753	2 04	588,493	195	4 52	884	70 6	823
1929	497,934	23,263	4,663	9,129	1 78	502,993	219	4 55	1,064	75 4	752
1930	437,899	22,121	3,993	4,014	1 70	493,202	187	5 06	948	77 6	770
1931	357,278	19,878	3,205	1,728	1 54	450,213	180	5 30	849	79 1	736
1932	285,508	20,393	2,781	1,028	1 31	406,380	146	5 22	762	78 8	653

¹ Calculated at 303 5 working-days in the anthracite field and 308 working-days in the bituminous field² Of 2,000 pounds.³ Not available.⁴ 1891.⁵ 1896.

Sources Table 703, Bureau of Foreign and Domestic Commerce, Table 704, Bureau of Mines, Department of the Interior.

No. 705.—CONSUMPTION OF BITUMINOUS COAL: BY CONSUMING CLASSES

	1889	1899	1909	1919	1929	1930	1931	1932	1933 ¹
Consumption (million net tons of 2,000 lbs.), total.	95.8	190.3	370.3	481.7	519.6	455.0	371.9	306.9	315.9
Colliery fuel.....	1.4	3.1	9.5	11.1	4.7	4.0	3.2	2.8	2.9
Locomotive fuel, all steam roads.....	26.5	53.4	106.0	124.7	118.6	298.4	281.7	266.5	266.0
Bunkers, vessels in foreign trade.....	1.9	3.8	6.8	8.2	4.3	3.5	2.2	1.4	1.3
Coke ovens, beehive and by-product.....	16.0	30.2	59.4	65.6	86.8	69.8	48.6	31.9	40.0
Electric public utilities ²		7.6	18.7	35.1	44.9	42.9	58.7	30.3	30.6
All other uses ³	50.0	92.2	169.9	237.0	260.3	236.4	197.4	174.1	175.1
Per cent of total consumption.	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Colliery fuel.....	1.5	1.6	2.6	2.3	9	.9	8	.9	.9
Locomotive fuel, all steam roads.....	27.7	28.1	28.6	25.9	22.8	221.6	222.0	21.7	20.9
Bunkers, vessels in foreign trade.....	2.0	2.0	1.9	1.7	8	.8	6	4	4
Coke ovens, beehive and by-product.....	16.7	15.9	16.0	13.6	16.7	15.3	13.1	10.4	12.7
Electric public utilities.....		4.0	5.0	7.3	8.6	9.4	10.4	9.9	9.7
All other uses.....	52.1	48.4	45.9	49.2	50.2	52.0	53.1	56.7	55.4

¹ Preliminary data.² Class I roads³ Includes electric central stations and street railways and certain minor plants. Figures include a small amount of anthracite consumed. Data not available for 1889⁴ Obtained by subtracting known items from total consumption. Includes general manufacturing, domestic, and miscellaneous uses

Source: Bureau of Mines, Department of the Interior (data were assembled from various original sources).

No. 706.—LABOR STRIKES IN COAL MINES

Year	Men on strike	Man-days lost	Average days lost per man	Year	Men on strike	Man-days lost	Average days lost per man
1909.....	24,763	723,634	29	1921.....	151,263	3,106,103	21
1910.....	218,493	19,250,524	88	1922.....	607,031	73,497,043	122
1911.....	41,413	983,737	24	1923.....	197,214	3,868,543	20
1912.....	311,056	12,527,305	40	1924.....	129,452	5,862,748	41
1913.....	135,395	3,049,412	23	1925.....	186,369	16,433,036	88
1914.....	161,720	11,013,667	68	1926.....	174,724	6,707,778	38
1915.....	67,190	2,467,431	37	1927 ¹	193,322	26,675,109	138
1916.....	170,633	3,344,586	20	1928.....	86,870	4,605,086	53
1917.....	160,240	2,348,399	15	1929.....	58,052	468,453	8
1918.....	79,395	508,526	6	1930.....	41,000	1,102,758	27
1919.....	453,418	15,761,410	35	1931.....	110,565	2,127,984	19
1920.....	282,419	5,914,473	21	1932.....	97,126	7,841,991	81

State	1929		1930		1931		1932	
	Men on strike	Man-days lost	Men on strike	Man-days lost	Men on strike	Man-days lost	Men on strike	Man-days lost
Grand total.....	58,052	468,453	41,000	1,102,758	110,565	2,127,984	97,126	7,841,991
Anthracite (Pa.).....	39,777	272,511	13,202	112,398	65,907	570,664	34,259	289,523
Total bituminous.....	18,275	195,942	22,798	990,360	44,658	1,557,320	62,867	7,552,468
Arkansas.....	95	2,177			860	21,153	1,964	103,522
Illinois.....	10,162	68,155	9,483	348,779	9,400	397,263	32,961	4,397,006
Indiana.....	3,851	58,553	2,008	32,003	883	14,181	3,820	507,051
Iowa.....	810	2,434	591	3,754	824	24,500	389	7,503
Kansas.....	106	3,341			38	570	58	350
Kentucky.....	561	4,286	6,436	562,067	2,920	59,240	721	30,725
Michigan.....	792	3,594	630	2,560	697	26,185		
Missouri.....	211	633	50	700	679	34,671	301	48,590
Montana.....							748	28,100
Ohio.....	943	46,165	1,143	12,583	5,591	138,155	15,290	2,130,292
Oklahoma.....					501	19,812	970	46,903
Pennsylvania ¹	313	4,073	924	14,689	12,783	398,932	2,021	113,696
Tennessee.....	200	1,200			1,133	28,767	550	35,967
Washington.....							958	42,266
West Virginia.....			1,523	13,215	8,441	393,883	1,510	44,307
Other States.....	261	1,031	10	10	8	8	606	16,190

¹ Owing to unusual conditions, figures tend to understate extent of the strike and number of idle miners.

Source: Bureau of Mines, Department of the Interior.

No. 707.—COAL: RETAIL PRICES, FOR HOUSEHOLD USE, AS OF JANUARY 15

[Prices (in dollars) of coal per ton of 2,000 pounds unless otherwise specified]

City	Anthracite, ¹ chestnut					Bituminous					
	1925	1930	1932	1933	1934	1925	1930	1931	1932	1933	1934
Atlanta, Ga.						7.32	7.80	7.60	6.46	6.12	7.02
Baltimore, Md.	15.75	13.75	13.75	12.75	13.00	7.38	7.89	7.75	7.36	6.86	7.64
Birmingham, Ala.						7.79	7.65	7.38	6.31	5.07	6.07
Boston, Mass.	16.00	15.50	15.00	13.50	13.50						
Bridgeport, Conn.	15.38	15.50	14.13	12.75	13.75						
Buffalo, N. Y.	13.56	13.32	13.40	12.21	12.64						
Butte, Mont.						11.05	11.15	0.48	9.98	9.72	9.75
Charleston, S. C.	17.10					11.00	9.67	9.67	9.50	8.67	9.75
Chicago, Ill.	16.70	16.40	16.75	15.50	13.79	8.51	8.53	8.09	7.92	7.25	8.21
Cincinnati, Ohio.						7.21	6.30	6.30	5.75	5.25	6.10
Cleveland, Ohio.	14.88	14.75	14.31	13.44	12.13	8.37	7.10	6.81	6.61	5.52	6.20
Columbus, Ohio.						6.68	6.07	6.09	5.35	4.92	6.11
Dallas, Tex.	17.75	15.50	14.00	14.00	14.00	14.22	12.92	12.58	10.50	10.75	10.50
Denver, Colo.	16.33	14.75	15.00	14.50	15.38	9.47	10.45	10.21	8.21	7.02	8.03
Detroit, Mich.	15.38	15.50	14.50	13.17	12.45	8.93	8.39	7.41	6.38	5.80	6.86
Fall River, Mass.	15.83	16.25	16.00	14.25	14.25						
Houston, Tex.						12.38	13.60	12.20	10.80	10.50	11.60
Indianapolis, Ind.	16.50					7.15	6.01	5.93	5.71	5.05	5.99
Jacksonville, Fla.						12.00	14.00	10.00	10.00	9.00	11.13
Kansas City, Mo.	15.17	12.55	11.38	10.50	10.50	8.13	7.18	6.79	6.04	5.61	5.85
Little Rock, Ark.	15.00	13.50	12.00	10.75	10.50	11.00	9.95	10.05	9.22	8.22	8.33
Los Angeles, Calif.						16.31	16.50	16.50	16.25	16.25	17.04
Louisville, Ky.						7.37	7.01	6.24	5.23	4.64	5.46
Manchester, N. H.	17.00	17.00	16.50	14.83	15.00						
Memphis, Tenn.						8.11	7.85	7.44	6.78	5.68	7.18
Milwaukee, Wis.	16.65	15.85	16.05	14.80	13.00	9.69	7.68	7.45	7.45	6.94	7.51
Minneapolis, Minn.	17.95	17.85	18.05	17.10	15.25	10.92	10.56	9.85	9.78	9.56	9.93
Mobile, Ala.						10.02	9.63	9.59	8.88	7.32	8.44
Newark, N. J.	13.43	13.46	13.55	11.88	12.50						
New Haven, Conn.	15.20	15.17	14.90	13.90	13.90						
New Orleans, La.						11.19	10.96	10.93	9.93	8.57	10.10
New York, N. Y.	14.33	14.13	13.83	11.64	12.35						
Norfolk, Va.	15.50	14.00	14.50	13.00	14.00	9.27	7.25	7.38	7.00	6.50	8.00
Omaha, Nebr.						10.04	9.69	9.68	8.77	8.33	8.59
Peoria, Ill.						6.79	6.75	6.43	6.25	6.09	6.55
Philadelphia, Pa.	15.32	14.50	13.50	11.50	12.00						
Pittsburgh, Pa.	16.50	15.00	14.00	12.75	12.75	6.83	5.29	4.91	4.47	3.26	4.72
Portland, Me.	16.56	16.80	16.80	15.60	14.25						
Portland, Oreg.						13.64	13.46	13.38	12.07	11.62	12.79
Providence, R. I.	16.00	16.00	15.75	14.50	14.50						
Richmond, Va.	15.50	15.00	14.50	13.50	14.00	8.83	8.38	8.75	8.00	6.83	7.83
Rochester, N. Y.	14.15	14.25	14.38	13.00	12.85						
St. Louis, Mo.	16.88	16.45	16.47	15.22	13.72	6.69	6.75	6.40	5.57	5.44	5.54
St. Paul, Minn.	17.95	17.85	18.05	17.10	15.25	11.57	10.27	9.68	9.60	9.40	9.78
Salt Lake City, Utah	18.50	18.00				8.40	8.37	8.47	7.58	7.01	7.80
San Francisco, Calif.	26.50	26.00	26.00	25.00	25.63	17.28	16.98	17.00	17.00	15.00	16.06
Savannah, Ga.	17.00					11.50	10.24	10.53	8.53	8.28	10.04
Scranton, Pa.	10.62	9.92	10.03	8.68	8.60	10.21	10.68	10.79	10.54	9.79	9.92
Seattle, Wash.						4.25	4.34	4.34	4.34	3.68	4.06
Springfield, Ill.											
Washington, D. C.	15.67	15.23	15.40	14.15	14.15	18.88	18.63	18.61	18.46	18.18	18.64

¹ The term "anthracite" signifies Pennsylvania anthracite, except as indicated by notes.² Per ton of 2,240 pounds.³ Run of mine, high volatile.⁴ Prepared sizes, high volatile.⁵ Arkansas anthracite, egg or furnace.⁶ Colorado anthracite, furnace, 1 and 2 mixed.⁷ 50 cents per ton additional is charged for binning.⁸ New Mexico anthracite, Cerillos egg.⁹ All coal sold is weighed by the city; charge of 10 cents per ton or half-ton is included in the price.

Source: Bureau of Labor Statistics, Department of Labor.

No. 708.—COAL: AVERAGE AND RELATIVE RETAIL PRICES¹ IN TON LOTS

Year	Anthracite, Chestnut				Anthracite, Stove				Bituminous			
	Average price		Relative price		Average price		Relative price		Average price		Relative price	
	<i>Dollars</i> 7.91		100		<i>Dollars</i> 7.73		100		<i>Dollars</i> 5.43		100	
1913 ¹	Jan.	July	Jan.	July	Jan.	July	Jan.	July	Jan.	July	Jan.	July
1920.....	12.77	14.33	161	181	12.59	14.28	163	185	8.81	10.55	162	194
1921.....	16.13	14.95	204	189	15.99	14.90	207	193	11.82	10.47	218	193
1922.....	15.02	14.92	190	189	14.98	14.87	194	192	9.89	9.49	182	175
1923.....	15.46	15.05	195	190	15.43	15.10	200	196	11.18	10.04	206	185
1924.....	15.76	15.10	199	191	15.77	15.24	204	197	9.75	8.94	180	165
1925.....	15.37	14.93	194	189	15.45	15.14	200	196	9.24	8.61	170	159
1926.....	(³)	15.19	(³)	192	(³)	15.43	(³)	200	9.74	8.70	179	160
1927.....	15.42	14.81	195	187	15.66	15.15	203	196	9.96	8.91	183	164
1928.....	15.08	14.63	191	185	15.44	14.91	200	193	9.30	8.69	171	160
1929.....	15.06	14.63	190	185	15.38	14.94	199	193	9.09	8.62	167	159
1930.....	15.00	14.53	190	184	15.33	14.84	198	192	9.11	8.65	168	159
1931.....	14.88	14.59	188	184	15.12	14.61	196	189	8.87	8.09	163	149
1932.....	14.97	13.16	189	166	15.00	13.37	194	173	8.17	7.50	150	138
1933.....	13.61	12.26	172	155	13.82	12.47	179	161	7.46	7.64	137	141
1934.....	13.25	11.67	167	144	13.44	11.74	174	158	8.24	7.44	152	137

¹ Prices represent combined averages for cities shown in Table 707² Average of prices for January and July, this is the base for relative prices³ Insufficient data

No. 709.—NATURAL GAS AND NATURAL GASOLINE

NOTE.—Quantities of gas in millions of cubic feet, of gasoline in thousands of gallons; values in thousands of dollars. Production figures for gas refer only to that marketed, in addition to which considerable quantities are used by producers, and large quantities are wasted or lost. Values given are at the point of consumption. Consumption figures by States differ greatly from production figures by reason of interstate transportation.

Yearly average or year	Natural gas produced and marketed		Natural gasoline			Year	Natural gas produced and marketed		Natural gasoline		
	Quantity	Value	Gas treated	Pro-duction	Value		Quantity	Value	Gas treated	Pro-duction	Value
1906-1910.....	437,057	57,940	---	---	---	1925.....	1,188,571	265,271	1,040,390	1,127,470	120,383
1911-1915.....	575,708	88,492	11,602	30,317	2,481	1926.....	1,313,019	300,168	1,206,300	1,363,090	136,412
1916-1920.....	762,681	154,590	412,787	268,038	48,174	1927.....	1,445,428	317,930	1,341,248	1,641,144	118,688
1921-1925.....	947,419	229,002	820,445	762,151	82,205	1928.....	1,568,139	363,726	1,473,434	1,814,034	138,944
1926-1930.....	1,637,540	362,238	1,613,811	1,852,490	136,123	1929.....	1,917,693	413,276	1,959,294	2,233,688	158,410
1921.....	662,052	174,617	465,097	449,934	61,815	1930.....	1,943,421	416,090	2,088,778	2,210,494	128,160
1922.....	762,646	221,535	645,139	508,832	72,711	1931.....	1,636,436	392,813	1,790,119	1,831,918	63,732
1923.....	1,006,976	240,001	875,711	816,226	77,268	1932.....	1,555,990	334,832	1,499,756	1,523,800	40,244
1924.....	1,141,521	253,856	1,016,276	933,861	82,233	1933.....	1,480,000	375,000	1,400,000	1,411,600	53,641

State	Natural gas produced and marketed					Natural gas consumed	Natural gasoline produced		
	1920	1925	1930	1931	1932		1931	1932	1933 ¹
Total ²	798,210	1,188,571	1,943,421	1,686,436	1,555,990	1,554,335	1,831,918	1,523,800	1,411,600
Arkansas.....	19,050	41,878	18,585	13,300	10,235	25,330	26,282	18,653	15,000
California.....	66,041	187,789	334,789	305,930	263,484	263,484	680,339	551,897	493,000
Illinois.....	3,013	4,165	2,890	2,130	1,769	29,432	5,024	4,558	(³)
Indiana.....	4,435	1,168	1,217	1,337	1,349	11,651	1	1	(³)
Kansas.....	33,140	26,917	37,630	38,742	40,690	56,965	32,690	24,792	22,900
Kentucky.....	15,297	10,770	28,023	27,870	29,005	13,698	5,464	4,877	(³)
Louisiana.....	46,219	152,620	278,341	224,155	201,661	113,215	58,034	46,190	38,100
Montana.....	818	1,496	10,060	10,949	13,295	⁴ 11,100	---	---	(³)
New Mexico.....	---	(⁵)	9,497	19,354	17,604	11,880	17,775	17,507	(³)
New York.....	19,127	⁶ 6,210	⁶ 9,624	⁶ 7,868	⁶ 8,813	16,724	132	117	(³)
Ohio.....	136,872	43,235	63,394	56,326	51,466	94,414	5,199	5,163	(³)
Oklahoma.....	120,689	249,285	348,116	263,085	255,487	246,741	454,886	378,684	359,700
Penn.....	161,397	101,632	58,706	77,797	76,611	76,935	14,389	11,685	(³)
Texas.....	49,467	⁸ 134,872	⁸ 517,880	⁸ 464,580	⁸ 456,332	414,644	426,695	371,106	359,400
W. Virginia.....	100,289	180,345	144,180	124,797	100,540	46,281	52,844	43,773	(³)
Wyoming.....	10,312	45,539	43,219	39,770	28,938	23,749	51,523	44,391	(³)

¹ Preliminary.² Includes other States not shown separately.³ Not yet available.⁴ Includes 38,000,000 cubic feet piped from Canada. ⁵ Separate data not available.⁶ Includes 68,000,000 cubic feet piped to Canada in 1925, 107,000,000 in 1930, 38,000,000 in 1931, and 46,000,000 in 1932.⁷ Includes 36,000,000 cubic feet piped to Canada in 1931 and 37,000,000 in 1932.⁸ Includes 64,000,000 cubic feet piped to Mexico in 1925, 1,691,000,000 in 1930, 2,157,000,000 in 1931, and 1,610,000,000 in 1932.

Sources: Table 708, Bureau of Labor Statistics, Department of Labor, Table 709, Bureau of Mines, Department of the Interior.

No. 710.—MANUFACTURED-GAS INDUSTRY: MATERIALS USED AND PRODUCTS

NOTE.—These figures cover establishments engaged primarily in the commercial manufacture of gas to be delivered through mains, they do not cover establishments which merely distribute purchased gas Blast-furnace gas, and with some exceptions by-product coke-oven gas, are not included

Material or product	Unit	Quantity (thousands of unit specified)			Cost or value (thousands of dollars)		
		1927	1929	1931	1927	1929	1931
Materials used, total cost					211, 786	188, 418	152, 580
Coal for gas making:							
Anthracite	Long ton ¹	113	68	42			
Bituminous	Short ton ¹	8, 102	8, 918	9, 055			
Oil for gas making	Gallon	230, 729	196, 701	67, 496			
Oil for carbureting	do.	683, 048	673, 021	583, 498			
Gas purchased	M. cu. ft.	96, 618	103, 209	96, 226			
Products, total value					516, 705	512, 653	467, 751
Commercial plants					509, 277	505, 590	461, 112
Municipal plants					7, 428	7, 063	6, 639
Gas for sale	M. cu. ft.	412, 236	408, 401	374, 068	446, 245	438, 243	399, 681
Coke for sale	Short ton ¹	2, 977	3, 444	3, 599	25, 514	26, 868	26, 673
Tar for sale							
Coal gas	Gallon	78, 691	88, 149	89, 202	4, 449	4, 816	4, 254
Water gas and oil gas	do.	83, 479	75, 546	60, 690	3, 768	3, 354	2, 378
All other products and receipts					30, 729	39, 372	34, 765

¹ 2,240 pounds.² 2,000 pounds.**No. 711.—MANUFACTURED-GAS INDUSTRY: SUMMARY OF STATISTICS**

NOTE.—Companies formerly distributing manufactured gas but which were distributing natural gas at the beginning of 1931 have been excluded for all years shown in this table.

	1929	1930	1931	1932	1933
Population served, Dec 31 (thousands)	48, 205	49, 371	50, 018	49, 761	50, 170
Miles of main, Dec 31	85, 000	89, 500	94, 200	94, 300	95, 700
Employees, Dec 31	75, 900	75, 300	73, 100	66, 900	71, 000
Total gas produced and purchased (million cubic feet)	432, 408	430, 999	416, 402	387, 043	372, 507
Gas produced	313, 710	308, 227	298, 542	263, 489	245, 415
Gas purchased	118, 698	122, 772	117, 860	123, 554	127, 092
Total number of customers, Dec 31 (thousands)	10, 396	10, 422	10, 344	9, 856	9, 818
Domestic	9, 893	9, 900	9, 796	9, 351	9, 292
House heating	44	54	59	61	81
Industrial and commercial	452	461	482	435	436
Miscellaneous	7	7	7	9	9
Total gas sales to consumers (million cubic feet)	398, 657	400, 635	388, 677	356, 352	339, 542
Domestic	279, 328	280, 880	275, 087	261, 143	243, 160
House heating	14, 261	18, 384	19, 908	19, 666	20, 699
Industrial and commercial	102, 866	99, 038	91, 617	73, 282	73, 637
Miscellaneous	2, 202	2, 334	2, 065	2, 261	2, 046
Total revenue from consumers (thousand dollars)	441, 369	444, 055	432, 563	408, 596	377, 888
Domestic	338, 280	339, 607	333, 190	323, 238	297, 902
House heating	12, 076	15, 235	16, 081	15, 148	14, 553
Industrial and commercial	89, 108	87, 310	81, 710	68, 557	63, 906
Miscellaneous	1, 905	1, 903	1, 602	1, 653	1, 527

No. 712.—AVERAGE NET PRICE OF MANUFACTURED GAS

NOTE.—Average net prices for the first 1,000 cubic feet for household use in cities specified in the first section of Table 713

Date	Actual	Relative	Date	Actual	Relative	Date	Actual	Relative
Apr. 15, 1914	\$0 94	99	May 15, 1921	\$1 32	139	Dec. 15, 1927	\$1. 22	128
Apr. 15, 1915	. 93	98	Mar. 15, 1922	1. 29	136	Dec. 15, 1928	1. 22	128
Apr. 15, 1916	. 92	97	Mar. 15, 1923	1. 25	132	Dec. 15, 1929	1. 21	127
Apr. 15, 1917	. 91	96	Mar. 15, 1924	1. 24	131	Dec. 15, 1930	1. 18	124
Apr. 15, 1918	. 95	100	Dec. 15, 1924	1. 24	131	Dec. 15, 1931	1. 15	121
Apr. 15, 1919	1. 04	110	Dec. 15, 1925	1. 23	130	Dec. 15, 1932	1. 15	121
Apr. 15, 1920	1 09	115	Dec. 15, 1926	1 22	128	Dec. 15, 1933	1. 14	120

Sources. Table 710, Bureau of the Census, Department of Commerce; Table 711, American Gas Association, Table 712, Bureau of Labor Statistics, Department of Labor.

No. 713.—RETAIL PRICES OF GAS IN PRINCIPAL CITIES

NOTE.—Prices are net per 1,000 cubic feet of gas for household use. Prices for manufactured gas are based on a family consumption of 3,000 cubic feet per month. In cities where a service charge or a sliding scale is in operation rates are slightly higher for families using less than 3,000 cubic feet per month and slightly lower for those consuming more. Prices for natural gas and for mixed manufactured and natural gas (principally natural gas) are based on a family consumption of 5,000 cubic feet per month.

City	Apr. 15, 1913	Apr. 15, 1915	Apr. 15, 1920	June 15, 1922	June 15, 1923	June 15, 1924	June 15, 1925	June 15, 1926	June 15, 1927	June 15, 1928	June 15, 1929	June 15, 1930	June 15, 1931	June 15, 1932	June 15, 1933	Dec. 15, 1933
MANUFACTURED GAS																
Atlanta	\$1.00	\$1.00	\$1.15	\$1.65	\$1.65	\$1.55	\$1.55	\$1.55	\$1.55	\$1.55	\$1.43	—	—	—	—	—
Baltimore	.90	.80	.75	.92	.92	.85	.85	.85	.85	.85	.85	.85	.85	.85	.85	.85
Birmingham	1.00	.95	.95	.88	.80	.80	.80	.80	.80	.80	.80	.80	.80	.80	.80	.80
Boston	.51	.49	1.08	1.32	1.25	1.20	1.18	1.18	1.18	1.18	1.18	1.18	1.16	1.16	1.16	1.16
Butte	1.49	1.49	1.49	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10
Charleston, S. C.	1.10	1.10	1.25	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.45	1.45	1.45
Chicago	.80	.80	.87	1.07	1.07	1.02	1.02	1.02	1.02	1.02	.98	.98	.98	.98	.98	.98
Cleveland	.80	.80	.80	.80	.80	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
Denver	.85	.80	.95	.95	.95	.95	.95	.95	.95	.90	.90	—	—	—	—	—
Detroit	.75	.75	.79	.79	.79	.82	.82	.79	.79	.79	.79	.79	.79	.77	.77	.79
Fall River	.80	.80	1.05	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.14	1.14	1.14	1.14	1.14
Houston	1.00	1.00	1.09	1.09	1.09	1.09	1.05	—	—	—	—	—	—	—	—	—
Indianapolis	.60	.55	.60	1.20	1.15	1.15	1.10	1.05	1.05	.95	.95	.95	.95	.95	.95	.95
Jacksonville	1.20	1.15	1.50	1.65	1.65	1.97	1.97	1.97	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92
Manchester	1.10	1.00	1.18	1.48	1.48	1.38	1.38	1.38	1.38	1.34	1.34	1.34	1.34	1.34	1.34	1.34
Memphis	1.00	1.00	1.27	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
Milwaukee	.75	.75	.75	.82	.82	.82	.82	.82	.82	.82	.82	.82	.82	.82	.82	.82
Minneapolis	.85	.80	.95	1.02	1.01	.85	.85	.87	.96	.96	.96	.96	.96	.96	.96	.96
Mobile	1.10	1.10	1.35	1.80	1.80	1.80	1.80	1.80	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76
Newark	1.00	.90	1.15	1.25	1.25	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.21	1.21	1.21	1.21
New Haven	.90	.90	1.10	1.18	1.18	1.18	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
New Orleans	1.10	1.00	1.30	1.45	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30
New York	.84	.83	.87	1.31	1.23	1.23	1.23	1.23	1.24	1.25	1.25	1.24	1.24	1.23	1.21	1.22
Norfolk	1.00	1.00	1.60	1.40	1.40	1.40	1.40	1.33	1.33	1.33	1.33	1.33	1.32	1.32	1.18	1.18
Omaha	1.15	1.15	1.15	1.18	1.18	1.18	1.08	1.08	1.08	1.08	.95	.95	.88	.79	.79	.79
Peoria	.90	.90	.85	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
Philadelphia	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	.95	.88	.88
Portland, Me.	1.10	1.00	1.40	1.65	1.55	1.55	1.55	1.55	1.42	1.42	1.42	1.42	1.42	1.42	1.42	1.42
Portland, Oreg.	.95	.95	.95	1.25	1.16	1.16	1.16	1.19	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17
Providence	.85	.85	1.30	1.42	1.22	1.22	1.17	1.17	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
Richmond	.90	.90	1.00	1.30	1.30	1.30	1.30	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29
Rochester	.95	.95	.95	1.10	1.05	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
St. Louis	.80	.80	.85	1.05	1.00	1.00	1.00	1.00	1.00	1.00	1.11	1.11	1.11	1.11	1.10	1.10
St. Paul	.95	.90	.85	1.00	.85	.85	.85	.90	.90	.90	.90	.90	.90	.90	.90	.90
Salt Lake City	.87	.87	1.35	1.67	1.57	1.54	1.53	1.52	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51
San Francisco	.75	.85	.95	1.02	.92	1.00	1.05	.95	.95	.94	.90	—	—	—	—	—
Savannah	—	—	1.25	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45
Scranton	.95	.95	1.30	1.60	1.60	1.50	1.50	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
Seattle	1.00	1.00	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.43	1.43	1.48	1.42
Springfield, Ill.	1.00	1.00	1.10	1.40	1.35	1.35	1.35	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
Washington	.93	.93	.95	1.05	1.05	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	.95	.93	.84
NATURAL GAS AND MIXED MANUFACTURED AND NATURAL GAS																
Atlanta	—	—	—	—	—	—	—	—	—	—	—	\$1.17	\$1.09	\$1.09	\$1.09	\$1.09
Buffalo	—	—	—	—	—	—	—	—	—	—	—	.65	.65	.65	.65	.65
Butte	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Chicago	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cincinnati	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cleveland	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Columbus	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Dallas	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Denver	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Houston	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Kansas City	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Little Rock	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Los Angeles	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Louisville	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Memphis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
New Orleans	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Peoria	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pittsburgh	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Salt Lake City	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
San Francisco	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Springfield	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

1 Based on 15 9 therms

3 Based on 24 therms

5 Based on 40 therms.

2 Based on 18 therms.

4 Based on 17 therms.

6 Based on 50 therms.

Source: Bureau of Labor Statistics, Department of Labor.

No. 714.—PRODUCTION OF CRUDE PETROLEUM

[Quantities in thousands of barrels (42 gallons); values in thousands of dollars]

Yearly average	Quantity	Value	Year	Quantity	Value	Year	Quantity	Value
1861-1865----	2, 479	9, 965	1907-----	166, 095	120, 107	1921-----	472, 183	814, 745
1866-1870----	4, 013	15, 795	1908-----	178, 527	129, 079	1922-----	557, 531	895, 111
1871-1875----	8, 221	16, 430	1909-----	183, 171	128, 329	1923-----	732, 407	978, 430
1876-1880----	16, 816	22, 926	1910-----	209, 557	127, 900	1924-----	713, 940	1, 022, 683
1881-1885----	25, 508	22, 933	1911-----	220, 449	134, 045	1925-----	763, 743	1, 284, 960
1886-1890----	32, 990	23, 830	1912-----	222, 935	164, 213	1926-----	770, 874	1, 447, 760
1891-1895----	51, 095	35, 708	1913-----	248, 446	237, 121	1927-----	901, 129	1, 172, 830
1896-1900----	59, 498	56, 836	1914-----	265, 763	214, 125	1928-----	901, 474	1, 054, 880
1901-1905----	102, 083	83, 524	1915-----	281, 104	179, 463	1929-----	1, 007, 323	1, 280, 417
1906-1910----	172, 769	119, 572	1916-----	300, 767	330, 900	1930-----	898, 011	1, 070, 200
1911-1915----	247, 739	185, 793	1917-----	355, 316	522, 635	1931-----	851, 081	550, 630
1916-1920----	362, 661	735, 698	1918-----	355, 928	703, 944	1932-----	785, 159	680, 400
1921-1925----	647, 961	999, 186	1919-----	378, 367	760, 266	1933 (prel) --	898, 874	602, 000
1926-1930----	895, 762	1, 205, 217	1920-----	442, 929	1, 360, 745			

Source: Bureau of Mines, Department of the Interior.

No. 715.—PETROLEUM PRODUCTION, IMPORTS, EXPORTS, AND BUNKER OIL LADEN ON VESSELS IN FOREIGN TRADE

NOTE.—Exports of refined oils include residuum prior to 1913 and exclude it thereafter. Exports exclude reexports of imported oils

Period	Quantity (thousands of barrels of 42 gallons)					Value (millions of dollars)				
	Production, crude oil	Imports		Exports		Bunker oil	Imports		Exports	
		Crude oil	Refined oils	Crude oil	Refined oils		Crude oil	Refined oil	Crude oil	Refined oils
1871-1880----	12, 519	(1)	(1)	528	6, 026	(1)	(1)	(1)	2.4	37.7
1881-1890----	29, 249	(1)	(1)	1, 719	12, 084	(1)	(1)	(1)	5.1	43.7
1891-1895----	51, 095	(1)	(1)	2, 606	16, 751	(1)	(1)	(1)	5.0	40.8
1896-1900----	59, 498	(1)	(1)	2, 907	20, 240	(1)	(1)	(1)	5.8	57.1
1901-1905----	102, 083	(1)	(1)	3, 029	22, 317	(1)	(1)	(1)	6.3	68.5
1906-1910----	172, 769	12, 295	(1)	3, 686	30, 521	(1)	0.7	(1)	6.4	90.4
1911-1915----	247, 739	12, 080	1, 293	4, 134	44, 475	(1)	7.6	1.1	6.1	125.8
1916-1920----	362, 661	49, 531	1, 396	5, 413	58, 896	11, 681	26.5	5.0	14.1	323.7
1921-1925----	647, 961	94, 857	12, 545	13, 330	76, 455	36, 801	68.0	22.2	22.5	363.6
1926-1930----	895, 762	67, 919	23, 779	20, 062	119, 700	50, 188	78.6	51.8	30.2	464.7
1916-----	300, 767	20, 797	414	4, 096	57, 833	5, 530	12.6	1.3	7.0	194.5
1917-----	335, 316	30, 127	1, 401	4, 098	58, 999	5, 908	16.3	4.3	7.7	245.2
1918-----	355, 928	37, 736	1, 207	4, 901	59, 727	6, 603	21.3	4.4	12.1	332.2
1919-----	378, 367	52, 822	1, 340	5, 824	52, 641	14, 031	26.4	5.0	14.8	327.0
1920-----	442, 929	106, 175	2, 619	8, 045	65, 278	26, 335	55.8	10.1	29.0	519.3
1921-----	472, 183	125, 364	3, 412	8, 865	57, 534	27, 076	66.5	10.8	20.2	363.5
1922-----	557, 531	127, 308	8, 639	9, 995	59, 592	31, 692	70.4	17.8	18.3	312.6
1923-----	732, 407	82, 015	17, 592	17, 061	77, 893	37, 582	53.9	24.3	23.1	327.0
1924-----	713, 940	77, 775	16, 760	17, 605	93, 411	43, 328	73.8	26.9	26.5	332.3
1925-----	763, 743	61, 824	16, 324	13, 125	93, 843	42, 827	75.4	31.3	24.3	422.6
1926-----	770, 874	60, 382	20, 902	15, 406	108, 398	46, 662	79.3	44.6	28.5	497.2
1927-----	901, 129	58, 383	13, 281	15, 843	115, 399	50, 051	78.6	33.6	25.9	429.7
1928-----	901, 474	79, 767	11, 701	18, 961	126, 159	51, 226	90.5	40.9	26.8	465.2
1929-----	1, 007, 323	78, 933	29, 632	26, 394	126, 377	52, 278	79.9	61.0	37.8	493.4
1930-----	898, 011	62, 129	43, 381	23, 704	122, 167	50, 773	64.9	71.7	32.2	438.2
1931-----	851, 081	47, 250	38, 702	25, 535	91, 009	43, 714	39.2	52.1	20.8	232.3
1932-----	785, 159	44, 700	30, 228	27, 391	69, 348	38, 152	30.4	29.2	27.1	168.1
1933-----	898, 874	31, 924	13, 990	36, 584	61, 419	32, 272	17.7	7.2	32.0	151.3

1 Data are not available

2 Average for years 1908-1910 for total mineral oils.

3 Not including natural gasoline (308,000 barrels valued at \$533,000 in 1932, and 1,657,000 barrels valued at \$3,395,000 in 1933), included with refined oils prior to 1932

Source: Bureau of Mines, Department of the Interior, and Bureau of Foreign and Domestic Commerce, Department of Commerce.

No. 716.—PETROLEUM, CRUDE: PRODUCTION BY REGIONS AND STATES, AND APPROXIMATE WORLD PRODUCTION

[In thousands of barrels of 42 gallons]

Section	1901-1910 (average)	1911-1915 (average)	1916-1920 (average)	1921-1925 (average)	1926-1930 (average)	1930	1931	1932	1933 (preliminary)
World total ¹ -----	236, 795	394, 345	541, 733	944, 768	1, 316, 008	1, 411, 905	1, 373, 656	1, 311, 377	1, 417, 470
United States ² -----	137, 426	247, 739	362, 661	647, 981	895, 782	898, 011	851, 081	785, 159	898, 874
Per cent of total-----	58 0	64 4	66 8	68 6	68 1	63 6	62 0	59 9	63 4
Regions-----									
Appalachian-----	28, 943	24, 594	27, 161	28, 504	31, 603	34, 105	30, 401	29, 667	27, 473
Lima-N E Ind ³ -----	17, 253	5, 052	3, 468	2, 298	3, 603	5, 276	4, 941	8, 004	8, 884
Mich-----	12, 659	24, 955	13, 918	9, 585	7, 495	6, 677	5, 842	5, 450	4, 948
Illinois-S W Ind ⁴ -----	25, 088	37, 656	184, 616	343, 545	527, 944	531, 447	543, 736	493, 034	594, 438
Mid-continent-----	17, 436	12, 357	24, 273	33, 688	54, 140	69, 676	57, 592	53, 466	75, 388
Gulf-----	402	2, 605	11, 830	35, 258	29, 468	23, 501	19, 739	17, 410	14, 658
Rocky Mountain-----	35, 641	90, 512	97, 384	195, 074	241, 509	227, 329	188, 830	178, 128	173, 085
California-----									
States-----									
Arkansas-----	35, 641	90, 512	97, 384	195, 074	241, 509	227, 329	188, 830	178, 128	173, 085
California-----	381	211	139	392	2, 477	1, 056	1, 645	1, 136	947
Colorado-----	12, 659	24, 955	13, 918	8, 815	6, 554	5, 736	5, 039	4, 673	4, 227
Illinois-----	6, 527	1, 167	866	1, 011	994	840	840	806	728
Indiana-----	4, 003	2, 235	32, 556	32, 733	41, 123	41, 638	37, 018	34, 848	41, 942
Kansas ⁵ -----	8, 696	484	5, 335	8, 044	7, 103	7, 389	6, 456	6, 287	4, 605
Kentucky ⁶ -----	4, 310	12, 997	19, 117	25, 759	22, 338	23, 272	21, 804	21, 807	24, 636
Louisiana-----				1	1, 913	3, 911	3, 789	6, 910	7, 851
Michigan-----			129	2, 729	4, 826	3, 349	2, 830	2, 457	2, 122
Montana-----				7 554	3, 171	10, 189	15, 227	12, 455	14, 074
New Mexico ⁶ -----	1, 153	920	864	1, 274	2, 765	3, 647	3, 363	3, 508	3, 174
New York-----	15, 677	8, 586	7, 583	7, 045	7, 022	6, 486	5, 327	4, 644	4, 204
Ohio-----	19, 076	68, 624	102, 209	155, 088	235, 663	216, 486	180, 574	153, 244	181, 506
Oklahoma ⁴ -----	10, 538	8, 002	7, 662	7, 607	10, 613	12, 803	11, 892	12, 412	12, 639
Pennsylvania-----	14, 534	16, 256	55, 008	127, 009	245, 792	290, 457	332, 437	312, 478	396, 453
Texas-----	11, 605	10, 487	8, 311	6, 575	5, 655	5, 071	4, 472	3, 876	3, 811
West Virginia-----	21	2, 394	11, 562	31, 901	21, 145	17, 868	14, 834	13, 418	11, 196
Wyoming-----									

¹ Estimated, 1933 figure from "World Petroleum" ² Includes for certain years small quantities not distributed by regions and States

³ Southwestern Indiana reported with Illinois beginning 1921, previously with Lima-Indiana region.

⁴ Kansas includes report for Oklahoma in 1905 and 1906

⁵ Kentucky includes report for Tennessee from 1891 to 1907

⁶ Not shown separately prior to 1924

⁷ Average for years 1924 and 1925

No. 717.—STOCKS OF CRUDE AND REFINED MINERAL OILS ON DECEMBER 31

[In thousands of barrels of 42 gallons]

	1927	1928	1929	1930	1931	1932	1933 ¹
Stocks of refinable crude, total ² -----	379, 660	392, 629	428, 445	411, 882	370, 194	339, 715	355, 394
East of California, total-----	359, 574	374, 874	387, 396	368, 484	328, 080	300, 375	318, 426
Pipe line and tank-farm stocks by field of origin, total-----	312, 637	327, 565	334, 891	320, 740	286, 057	246, 356	255, 022
Appalachian-----	7, 534	5, 515	5, 239	0, 482	0, 115	5, 762	4, 709
Lima-N E Ind-Mich-----	1, 134	1, 162	544	1, 453	1, 560	1, 069	1, 280
Illinois and southwestern Indiana-----	12, 170	11, 367	10, 411	10, 252	9, 790	11, 210	11, 061
Mid-continent-----	246, 839	265, 748	274, 187	259, 139	231, 976	200, 612	211, 887
Gulf coast-----	17, 922	18, 272	20, 129	18, 255	13, 316	12, 130	11, 020
Rocky Mountain-----	27, 238	25, 501	24, 381	25, 149	23, 300	15, 573	15, 056
Refinery and importers' stocks-----	39, 401	40, 788	46, 307	41, 136	35, 821	47, 816	57, 048
Producers' stocks (at wells)-----	6, 536	6, 521	6, 198	6, 608	6, 202	6, 203	6, 356
California, light-----	20, 086	17, 755	41, 049	43, 398	42, 114	39, 340	36, 968
Natural gasoline ³ -----	734	607	604	3, 100	2, 825	3, 203	3, 186
Stocks of refined products ^{3 4} -----	216, 782	227, 774	260, 448	251, 680	258, 879	247, 188	242, 873
Grand total stocks all oils-----	597, 176	621, 010	689, 497	668, 662	631, 898	590, 106	601, 453

¹ Preliminary, figures not strictly comparable with those for earlier years

² Not including California heavy crude and residual fuel

³ Natural gasoline at refinery included with refined products prior to 1930

⁴ Includes California heavy crude and residual fuel, also wax, coke, and asphalt.

⁵ Includes bulk terminal stocks of gasoline.

Source of Tables 716 and 717 Bureau of Mines, Department of the Interior.

No. 718.—SUPPLY AND DEMAND OF CRUDE AND REFINED OILS

[In thousands of barrels of 42 gallons]

	1927	1928	1929	1930	1931	1932	1933 (preliminary)
Total new supply of all oils	1,014,084	1,038,166	1,171,859	1,058,949	982,611	896,965	960,928
Domestic production, total.....	942,348	946,609	1,062,649	953,331	896,524	822,471	933,957
Crude petroleum.....	901,129	901,474	1,007,323	898,011	851,081	785,159	898,474
Natural gasoline.....	38,657	42,326	52,271	52,631	43,617	36,281	33,610
Benzol.....	2,562	2,800	3,055	2,689	1,826	1,031	1,473
Imports—							
Crude.....	58,383	79,767	78,933	62,129	47,270	44,682	32,773
Refined ¹	13,353	11,790	29,777	43,459	38,837	26,812	13,498
Change in stocks ²	+70,082	+22,775	+68,156	-24,000	-44,989	-41,792	+8,266
Total demand	943,992	1,015,391	1,103,203	1,082,949	1,027,800	938,757	971,972
Exports ³ —							
Crude.....	15,844	18,966	26,401	23,705	25,535	27,393	36,703
Refined ¹	125,805	135,991	134,719	132,704	98,850	75,882	69,822
Domestic ⁴	802,343	860,434	940,083	926,450	903,206	835,482	865,447
Bunker oil.....	50,051	51,226	52,278	50,773	43,714	38,152	32,272

¹ Includes wax, coke, asphalt, and residuum in barrels² Data include crude petroleum, refined products, and natural gasoline.³ Includes shipments to noncontiguous territories⁴ Includes bunker oil put on vessels engaged in foreign trade.

Source: Bureau of Mines, Department of the Interior.

No. 719.—PETROLEUM REFINING: MATERIALS AND PRODUCTS

Material or product	Quantity (thousands of unit specified)				Cost or value (thousands of dollars)		
	Unit	1927	1929	1931	1927	1929	1931
Materials used, total cost					1,752,997	2,031,341	1,210,517
Crude petroleum.....	Barrel ¹	831,332	1,039,922	909,420	(?)	1,614,875	(?)
Partially refined oils, etc., purchased and rerun.....	do.	33,939	51,549	36,881	(?)	107,951	(?)
Natural gasoline.....	do.	26,383	42,381	29,920	(?)	135,066	(?)
Soda ash.....	Ton ³	21	18	9	(?)	655	(?)
Caustic soda.....	do.	95	134	104	(?)	7,731	(?)
Sulphuric acid purchased and produced in plant.....	do.	873	1,008	900	(?)	15,786	(?)
Sulphuric acid, reclaimed and reused.....	do.	344	476	462	(?)	3,817	(?)
All other, including fuel and power.....					(?)	145,460	(?)
All products, total value					2,142,649	2,639,665	1,524,285
Gasoline.....	Gallon.....	12,729,536	17,538,789	17,100,621	1,048,471	1,531,242	831,386
Naphtha.....	do.	451,344	662,642	461,174	42,484	64,904	20,668
Benzine.....	do.	50,556	49,941	33,247	4,625	5,276	1,808
Tops.....	do.	159,904	155,155	14,161	6,574	8,622	214
Illuminating oils.....	do.	2,217,591	2,338,929	1,745,447	117,925	104,836	72,743
Fuel oils.....							
Distillates.....	do.	976,670	1,024,364	1,055,597	44,287	39,338	28,117
Gas oils.....	do.	2,676,591	2,882,959	2,862,148	99,328	96,094	68,430
Residual fuel oil.....	do.	11,862,599	12,483,631	10,591,948	313,344	249,198	175,021
Partially refined oils sold for rerunning.....	do.	1,583,727	1,466,861	1,313,270	62,210	49,143	28,458
Lubricating oils.....							
Pale or paraffin.....	do.	227,198	157,669	89,448	30,617	19,653	9,442
Red or neutral.....	do.	531,627	564,640	456,493	87,243	90,603	65,939
Cylinder oils.....	do.	219,673	218,561	178,071	43,036	59,109	27,212
All other lubricating oils.....	do.	403,403	612,840	423,754	83,733	135,308	94,779
Liquid asphaltic road oils.....	do.	204,799	323,002	377,748	9,308	11,041	10,425
Residuum or tar.....	do.	113,467	104,111	67,468	5,118	3,149	1,663
Greases.....	do.	44,911	52,017	45,816	12,961	16,646	12,376
Paraffin wax.....	do.	94,257	84,639	79,483	23,432	22,328	13,353
Asphalt, other than liquid.....	Ton ³	2,642	3,115	2,462	37,884	34,506	21,751
Coke, petroleum.....	do.	1,244	1,265	2,029	7,170	5,461	7,182
Other refinery products.....					24,173	21,076	29,453
All other products and receipts.....					8,726	12,132	3,865

¹ 42 gallons.² No data.³ Of 2,000 pounds.⁴ Basis 50° Baumé.

Source: Bureau of the Census, Department of Commerce.

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No. 720.—PETROLEUM PRODUCTS: OILS RUN TO STILLs, OUTPUT OF REFINERIES, STOCKS, EXPORTS, AND APPARENT CONSUMPTION OF PRODUCTS

NOTE.—Stocks are those in refiners' hands only. Hence "apparent consumption" represents deliveries by refiners to dealers and consumers. Exports include shipments to noncontiguous territories. Consumption figures for kerosene and lubricants take into account imports not shown separately.

[In thousands of barrels of 42 gallons, except as indicated; 1933 data are preliminary]

Item	1918	1920	1925	1929	1930	1931	1932	1933
Crude oil run to stills	326,025	433,915	739,920	987,708	927,447	894,608	819,997	861,254
Domestic	324,618	372,779	698,582	912,191	866,615	847,671	777,696	825,786
Foreign	1,407	61,136	41,338	75,517	60,832	46,937	42,801	35,468
Natural gasoline run to stills or blended at refineries	2,451	3,153	19,636	140,457	143,170	135,116	126,332	125,326
Stocks of crude oil, end of year ..	15,750	21,261	29,200	40,307	41,136	36,546	47,816	57,048
Motor fuel								
Production	86,280	118,022	262,252	439,393	440,728	437,453	399,712	408,284
Exports (gasoline and benzol)	13,650	15,678	31,684	62,059	65,575	45,716	35,438	29,186
Imports (gasoline)	307	964	3,813	8,834	16,927	13,621	8,205	12
Stocks, end of year	7,080	11,009	38,918	43,261	40,068	55,226	53,805	55,426
Apparent consumption	75,672	102,937	226,329	375,999	394,800	403,418	373,900	378,143
Kerosene								
Production	43,461	55,240	59,689	55,940	49,208	42,446	43,836	48,921
Exports	11,820	20,878	21,212	20,022	16,884	12,712	11,044	8,960
Stocks, end of year	9,050	9,359	7,121	9,095	6,883	5,332	4,974	6,495
Apparent consumption	34,442	33,082	39,969	36,032	34,736	31,296	33,221	38,440
Gas oil and fuel oil								
Production	174,319	210,987	364,991	428,219	372,498	336,967	294,750	315,455
Exports	29,637	22,080	36,088	39,151	36,450	29,231	19,994	20,369
Stocks, end of year	15,691	19,938	24,681	39,762	137,790	135,856	129,881	122,287
Lubricants								
Production	20,035	24,938	31,055	34,359	34,201	26,704	22,433	23,805
Exports	6,165	9,643	9,678	10,860	9,935	8,128	6,851	8,218
Stocks, end of year	3,306	3,822	7,253	8,269	10,971	9,485	8,465	6,896
Apparent consumption	13,823	14,742	20,581	23,609	21,589	20,068	16,614	17,066
Wax—production...1,000 lbs.	505,144	541,204	590,577	630,074	547,680	477,400	458,920	469,560
Stocks, end of year...do.	199,658	195,368	116,391	189,592	232,592	171,220	163,628	68,833
Coke—production...1,000 tons ^a ..	560	577	991	1,821	1,940	2,032	1,789	1,576
Stocks, end of year...do.	23	32	238	745	1,069	1,512	1,330	727
Asphalt—production								
—...1,000 tons ^a	608	1,291	2,677	3,469	3,308	2,976	2,475	2,220
Stocks, end of year...do.	77	81	159	240	308	302	276	255
Other finished products			8,044	9,924	13,179	47,957	49,522	52,988
Losses	14,557	18,743	22,914	35,064	37,003	19,070	20,652	16,591

¹ Includes natural gasoline run through pipe lines in California.

² Stocks east of California only.

³ Includes terminal, transit, and natural gasoline stocks.

⁴ Stocks east of California plus gas oil and distillate fuel in California.

⁵ Total gas oil and fuel oil stocks, including California heavy crude.

⁶ Of 2,000 pounds.

⁷ Other finished products include still gas formerly reported also with losses.

No. 721.—PETROLEUM PRODUCTS: CRUDE OIL RUN TO STILLs AND OUTPUT OF REFINERIES, BY REGIONS

[In thousands of barrels of 42 gallons, except wax, which is in thousands of pounds]

Region	Crude oil run to stills		Natural gasoline run to stills or blended		Output of refineries, 1933				
	1932	1933	1932	1933	Gasoline	Kerosene	Gas oil and fuel oil	Lubricants	Wax
Total	819,997	861,254	26,332	25,326	401,949	48,921	315,455	23,805	469,560
East coast	162,534	166,932	641	1,109	68,697	9,677	61,206	7,387	233,520
Appalachian	34,136	33,567	377	237	17,496	2,855	4,576	6,696	16,160
Indiana, Illinois, Kentucky, etc.	106,758	117,073	1,859	1,785	64,585	4,221	26,935	1,832	25,760
Oklahoma, Kansas, and Missouri	87,170	96,541	4,847	4,948	54,922	6,823	26,806	2,435	29,120
Texas	196,578	218,145	6,449	5,916	101,949	14,533	78,269	5,264	47,600
Louisiana and Arkansas ..	54,150	57,519	1,638	691	22,852	4,669	28,800	502	57,400
Rocky Mountain	13,934	14,209	991	819	8,234	570	3,473	172	7,000
California	164,737	157,268	9,530	9,821	63,214	5,573	87,620	1,637	-----

Source: Tables 720 and 721, Bureau of Mines, Department of the Interior.

No. 722.—PETROLEUM PIPE LINES: SUMMARY FOR ALL REPORTING COMPANIES

[All figures, except miles of line operated, in thousands of dollars]

Year	Miles of line operated	Investment in pipe lines	Other investments	Pipe-line operating revenues	Pipe-line operating expenses	Pipe-line operating income	Net income
1921	55,280	385,024	287,114	115,950	62,370	25,530	34,400
1922	57,349	382,280	264,344	128,059	64,539	52,720	58,568
1923	64,760	432,065	305,841	131,213	69,234	52,678	62,639
1924	68,185	496,187	282,504	146,921	74,656	63,176	72,234
1925	70,009	511,088	33,896	104,645	80,232	70,966	88,445
1926	72,846	539,410	111,891	173,075	83,698	76,523	90,401
1927	76,070	609,439	105,927	185,561	90,287	92,719	93,293
1928	81,676	659,093	106,688	222,073	96,478	112,221	117,206
1929	85,796	741,010	104,445	251,411	102,101	135,421	142,216
1930	88,727	772,711	96,184	237,910	99,363	121,816	123,741
1931	93,090	845,050	90,505	222,944	96,237	116,767	120,738
1932	92,783	763,942	41,754	211,789	86,003	110,019	112,362

Source. Interstate Commerce Commission.

No. 723.—PETROLEUM: PRICES OF CRUDE AND REFINED PRODUCTS

NOTE.—Prices of crude and fuel oil in dollars per barrel of 42 gallons, others in cents per gallon. Compiled by Joseph E. Pogue. The weighted average prices cover five principal grades of crude oil at wells, five markets each for kerosene and gasoline from tank wagon, five refining locations for fuel oil, and lubricating oil at refineries

Year	Crude	Gasoline	Kerosene	Fuel oil	Lubricating oil	Month, 1933	Crude	Gasoline	Kerosene	Fuel oil	Lubricating oil
	Dolls.	Cents	Cents	Dolls.	Cents		Dolls.	Cents	Cents	Dolls.	Cents
1921	1.86	22 3	12 9	1.30	-----	January	.82	7 5	9 7	.65	12 4
1923	1.71	17 5	12 8	1.20	-----	February	.69	7 3	9 6	.63	11 3
1924	1.84	15 9	12 7	1.35	-----	March	.68	7 3	9 2	.60	11 0
1925	1.96	16 6	12 3	1.46	24 3	April	.67	7 3	8 8	.59	11 2
1926	2.03	17 5	14 7	1.47	23 3	May	.67	6 9	8 8	.58	13 3
1927	1.55	15 0	12 9	1.14	21 2	June	.60	7 7	8 9	.59	14 4
1928	1.54	14 7	12 9	91	20 7	July	.80	9 1	9 0	.63	15 0
1929	1.67	13 9	13 4	.89	26 3	August	.85	9 2	8 7	.66	16 1
1930	1.39	11 7	12 1	.78	19 8	September	1.08	10 4	9 0	.70	16 3
1931	.91	8 7	10 3	.57	14 7	October	1.22	10 6	9 4	.77	17 8
1932	1.02	8 9	9 4	.62	14 5	November	1.23	10 6	9 6	.82	18 2
1933	.87	8 7	9 2	.67	14 7	December	1.23	10 2	9 6	.82	19 1

No. 724.—ASPHALT: SUPPLY, DISTRIBUTION, AND SALES

	1928	1929	1930	1931	1932	1933
Total supply (1,000 tons of 2,000 pounds)-----	4,682	5,011	4,260	3,841	3,140	3,090
Native asphalt and related bitumens:						
Produced-----	808	804	703	503	340	313
Imported (chiefly lake asphalt)-----	120	121	53	74	20	22
Petroleum asphalt (excluding road oil):						
Produced at refineries from--						
Domestic petroleum-----	1,322	1,583	1,404	1,275	1,116	1,237
Foreign petroleum-----	2,156	2,247	1,824	1,701	1,359	1,219
Stocks, Jan 1-----	277	255	277	288	305	299
Total distribution (1,000 tons of 2,000 pounds)-----	4,682	5,011	4,260	3,841	3,140	3,090
Native asphalt and related bitumens:						
Indicated domestic demand-----	782	757	680	484	328	299
Exports (unmanufactured)-----	26	47	23	19	12	14
Petroleum asphalt (excluding road oil):						
Indicated domestic demand (incl lake asphalt)-----	3,127	3,451	2,859	2,745	2,295	2,296
Exports-----	492	479	410	288	206	204
Stocks, Dec. 31-----	255	277	288	305	299	276
VALUE (1,000 DOLLARS)						
Native asphalt and related bitumens:						
Sales-----	5,175	5,470	4,463	2,930	1,943	1,705
Imports (chiefly lake asphalt)-----	865	956	457	726	251	278
Exports (unmanufactured)-----	684	1,133	629	531	449	554
Petroleum asphalt (excluding road oil):						
Sales-----	45,737	43,557	34,622	24,861	18,005	23,543
Exports-----	9,789	8,543	7,277	4,941	3,168	2,861

Source: Bureau of Mines, Department of the Interior.

No. 725.—PORTLAND CEMENT· PRODUCTION, SHIPMENTS, AND IMPORTS

NOTE.—Imports are "Imports for consumption" and include all kinds of hydraulic cement, most of which is Portland. "Shipments" include exports made directly by manufacturers and shipments made by them to noncontiguous territories (See Table 726.) Data for 1933 are preliminary; leaders indicate separate data not yet available

State	1910	1920	1925	1929	1930	1931	1932	1933
Thousands of barrels of 376 pounds								
Production, total.....	78,550	100,023	161,659	170,648	161,197	125,429	76,741	63,373
Alabama.....	¹ 1,481	1,132	6,288	5,006	4,821	4,447	1,453	-----
California.....	² 6,386	7,098	13,098	13,092	10,124	7,740	5,482	7,142
Illinois.....	4,459	5,539	7,101	8,243	7,935	6,407	5,481	-----
Iowa.....	³ 2,010	4,849	4,648	6,373	7,088	5,804	4,271	-----
Kansas.....	5,656	4,341	6,511	6,740	6,012	4,145	2,296	-----
Michigan.....	3,688	4,891	10,936	13,749	11,511	6,133	4,296	3,716
Missouri.....	4,456	6,018	8,332	8,113	7,809	5,667	4,238	-----
New York.....	3,296	5,885	8,770	10,761	10,373	9,487	6,014	-----
Ohio.....	1,528	1,780	5,715	9,427	8,632	6,069	4,002	-----
Pennsylvania.....	26,676	28,609	42,347	39,355	37,844	28,510	15,799	-----
Tennessee.....	(⁴)	(⁴)	(⁴)	4,442	3,875	3,303	1,847	-----
Texas.....	¹ 2,287	2,562	4,858	7,374	6,782	6,189	3,748	2,973
Other States.....	14,627	27,659	43,055	37,971	38,393	31,528	18,115	-----
Shipments.....	(⁵)	96,312	157,295	169,868	159,059	127,151	80,843	64,086
Imports.....	307	525	3,667	1,745	985	470	468	477
Stocks at mills (Dec 31).....	(⁶)	8,833	18,336	23,701	25,899	24,342	20,240	19,541

¹ Includes Georgia and Tennessee.

² California includes Washington.

³ Includes Kentucky and West Virginia

⁴ Included in other States.

⁵ Includes Oklahoma

⁶ Not available.

No. 726.—PORTLAND CEMENT: SHIPMENTS BY DESTINATIONS

[In thousands of barrels of 376 pounds]

State	1930	1931	1932	1933 ¹	State	1930	1931	1932	1933 ¹
Shipped from cement plants.....	159,059	127,151	80,843	64,086	Shipments to States—Con.				
Shipments to States.....	158,030	126,405	80,184	63,109	South Atlantic.....				
New England.....	7,528	6,387	4,176	3,202	Continued.				
Maine.....	836	527	410	310	West Virginia.....	1,599	1,421	861	658
New Hampshire.....	560	437	267	264	North Carolina.....	1,165	1,015	434	485
Vermont.....	582	312	260	140	South Carolina.....	1,655	2,251	368	215
Massachusetts.....	3,091	3,044	2,126	1,472	Georgia.....	1,562	1,714	1,129	728
Rhode Island.....	705	570	305	281	Florida.....	1,057	765	428	597
Connecticut.....	1,754	1,477	808	735	East South Central.....	5,999	4,800	3,341	3,839
Middle Atlantic.....	40,479	32,745	18,624	13,330	Kentucky.....	1,695	1,628	1,306	1,271
New York.....	20,147	19,756	11,057	7,143	Tennessee.....	2,411	1,396	1,176	956
New Jersey.....	6,536	5,066	2,855	2,013	Alabama.....	1,274	1,251	392	926
Pennsylvania.....	13,796	7,923	4,712	4,174	Mississippi.....	620	525	467	686
East North Central.....	39,391	28,010	20,081	14,398	West South Central.....	14,166	13,028	6,758	6,043
Ohio.....	9,899	6,645	4,813	2,705	Arkansas.....	1,459	1,223	270	657
Indiana.....	4,923	3,880	3,015	2,019	Louisiana.....	2,892	3,906	1,288	757
Illinois.....	11,164	7,925	5,826	5,277	Oklahoma.....	3,397	2,214	1,238	1,417
Michigan.....	8,626	5,582	3,476	2,559	Texas.....	6,418	5,685	3,962	3,212
Wisconsin.....	4,975	3,978	2,951	1,838	Mountain.....	2,979	2,511	1,974	2,787
West North Central.....	21,178	16,705	11,521	7,873	Montana.....	319	263	150	162
Minnesota.....	3,669	3,716	3,148	1,469	Idaho.....	312	189	103	119
Iowa.....	6,412	3,800	2,592	1,504	Wyoming.....	179	136	82	82
Missouri.....	6,145	4,259	3,455	2,549	Colorado.....	844	776	492	431
North Dakota.....	338	288	176	133	New Mexico.....	298	265	174	193
South Dakota.....	541	637	334	243	Arizona.....	463	438	161	125
Nebraska.....	1,676	2,903	771	1,026	Utah.....	417	311	164	241
Kansas.....	2,398	2,132	1,045	949	Nevada.....	147	133	648	1,434
South Atlantic.....	12,693	12,373	7,051	5,606	Pacific.....	13,599	9,630	6,496	5,938
Delaware.....	374	347	298	251	Washington.....	3,102	2,087	1,289	687
Maryland.....	2,555	2,014	1,557	819	Oregon.....	1,070	927	523	329
District of Columbia.....	1,079	1,250	1,070	938	California.....	9,427	6,616	4,684	4,917
Virginia.....	1,648	1,596	906	915	Unspecified.....	16	235	159	97
					Exports direct by manufacturers ²	1,030	746	660	977

¹ Preliminary

² Includes shipments to Alaska, Hawaii, and Puerto Rico

Source of Tables 725 and 726: Bureau of Mines, Department of the Interior.

No. 727.—CEMENT PRODUCTION: QUANTITY, BY KINDS, AND TOTAL VALUE

NOTE.—Portland cement is expressed in barrels of 376 pounds; masonry, natural, and puzzolan cement in 1921 and later years in 376-pound barrels but prior to 1921 in barrels of 240, 265, and 320 pounds, respectively. For 1912 through 1924 the figures for masonry, natural, and puzzolan cement represent shipments

Year	Production in thousands of barrels			Total value in thousands of dollars	Year	Production in thousands of barrels			Total value in thousands of dollars
	Total	Portland	Masonry, natural, and puzzolan			Total	Portland	Masonry, natural, and puzzolan	
1890.....	7,777	336	7,441	4,527	1919.....	81,307	80,778	529	138,714
1895.....	8,731	990	7,741	5,482	1920.....	100,791	100,023	767	203,198
1900.....	17,231	8,482	8,749	13,284	1921.....	99,381	98,842	539	187,708
1905.....	40,102	35,247	4,855	35,932	1922.....	115,679	114,790	889	203,324
1908.....	52,911	51,073	1,838	44,478	1923.....	138,732	137,460	1,272	263,122
1909.....	66,690	64,991	1,698	53,611	1924.....	150,777	149,358	1,418	272,545
1910.....	77,785	76,550	1,235	68,752	1925.....	163,358	161,659	1,729	281,076
1911.....	79,548	78,529	1,019	68,705	1926.....	166,635	164,530	2,107	280,786
1912.....	83,351	82,438	913	67,462	1927.....	175,330	173,207	2,121	281,736
1913.....	92,949	92,097	852	93,001	1928.....	178,509	176,299	2,210	278,883
1914.....	89,050	88,230	820	82,204	1929.....	172,856	170,646	2,209	255,105
1915.....	86,708	85,915	794	74,285	1930.....	162,689	161,197	1,792	231,219
1916.....	92,363	91,521	842	101,379	1931.....	126,671	125,429	1,242	142,780
1917.....	93,454	92,814	639	126,106	1932.....	77,198	76,741	457	82,718
1918.....	71,515	71,082	433	114,132	1933 ¹	63,373			

¹ Value of shipments² Preliminary, leaders indicate data not yet available

Source: Bureau of Mines, Department of the Interior

No. 728.—STONE: PRODUCTION (SALES), BY VARIETIES AND USES

Variety and use	Quantity sold, thousands of short tons (2,000 pounds) ¹							Value, 1,000 dollars	
	19 26	1927	1928	1929	1930	1931	1932	1931	1932
Total	124,496	136,345	133,870	141,110	126,996	97,933	70,644	135,086	89,064
Granite.....	9,330	10,707	9,556	10,827	10,047	8,068	5,119	25,974	15,978
Basalt and related rocks ..	12,978	13,211	15,328	14,872	14,532	12,553	9,329	13,823	8,880
Sandstone.....	4,979	5,051	4,717	5,790	4,594	4,582	2,973	7,575	4,082
Marble.....	563	600	579	554	477	350	343	10,420	7,532
Limestone.....	91,888	99,662	96,865	100,687	88,741	66,751	46,914	71,876	48,016
All other.....	4,759	7,115	6,825	8,380	8,604	5,629	5,968	5,418	4,576
Building stone.....	2,609	2,485	2,453	2,647	2,322	1,669	1,296	28,111	20,185
Monumental.....	360	358	348	366	291	237	168	9,634	6,245
Paving blocks.....	66	367	349	300	295	197	72	1,988	620
Curbing.....	346	378	383	336	262	171	80	2,242	926
Flagging.....	66	55	75	88	82	50	26	447	207
Rubble.....	540	809	908	908	1,067	432	179	592	196
Riprap.....	4,060	4,618	3,993	4,213	4,292	4,223	3,462	4,277	2,874
Crushed stone.....	82,516	94,949	91,265	92,721	87,111	72,624	51,995	70,405	46,892
Furnace flux (limestone and marble).....	23,869	21,666	23,124	24,394	17,091	9,727	3,991	7,194	2,929
Refractory stone.....	1,531	1,363	1,348	1,558	1,198	611	197	633	229
Manufacturing industries (limestone and marble).....	4,964	5,352	5,640	7,431	6,021	4,501	4,369	3,842	3,927
Agricultural limestone and other.....	3,289	3,944	3,983	6,147	6,967	3,490	4,808	5,771	3,835

¹ Quantities of stones not sold by the short ton are expressed in the approximate equivalent in short tons; expressed in their selling units the quantities are as follows for 1932. Building stone, 16,624,000 cubic feet, monumental stone, 2,038,000 cubic feet; paving blocks, 7,583,000, curbing, 991,000 cubic feet; and flagging, 320,000 cubic feet

Source: Bureau of Mines, Department of the Interior.

No. 729.—CLAY AND GLASS PRODUCTS: PRODUCTION

Industry and product	Unit	Quantity (thousands of unit specified)			Value (thousands of dollars)		
		1927	1929	1931	1927	1929	1931
CLAY PRODUCTS (EXCEPT POT- TERY) AND NONCLAY REFRACTO- RIES							
Total value.....					319, 710	294, 488	127, 468
Brick:							
Common.....	Number.	7, 060, 984	5, 505, 359	2, 314, 664	78, 408	58, 733	21, 652
Vitrified.....	do.	503, 400	367, 650	207, 386	10, 764	7, 504	4, 266
Face.....	do.	2, 412, 903	2, 130, 408	903, 226	41, 521	36, 120	13, 271
Enameled.....	do.	18, 097	17, 137	8, 605	1, 375	1, 259	484
Drain tile.....	Ton ¹	734	859	253	5, 511	6, 516	1, 667
Sewer pipe.....	do.	2, 116	1, 675	823	29, 426	21, 330	9, 448
Architectural terra cotta.....	do.	156	134	55	16, 628	13, 921	5, 492
Hollow building tile or block.....	do.	4, 114	4, 164	1, 928	26, 499	30, 142	11, 172
Tile (not drain)							
Roofing.....	Squares.	368	371	285	5, 349	3, 944	3, 125
Floor (including plain, vit- reous, encaustic, quarry, etc.).	Sq. ft.	20, 434	15, 887	12, 181	4, 586	3, 773	2, 052
Ceramic mosaic (vitreous and semivitreous)	do.	20, 506	18, 052	8, 744	4, 552	3, 738	1, 781
Faience (including art, enam- eled, and hand-decorated)	do.	10, 157	19, 357	21, 431	5, 776	10, 136	7, 749
Wall (thin, white glazed, etc.)	do.	39, 537	30, 443	17, 716	12, 503	11, 254	4, 993
Stove lining.....	Ton ¹	14	17	9	503	468	317
Fire-clay products (shaped):							
Brick, block, etc. ²	Number.	877, 748	962, 129	423, 061	35, 474	38, 284	16, 419
Special shapes.....	Ton ¹	133	132	127	2, 699	4, 092	3, 068
All other clay products.....					14, 587	14, 068	6, 344
Silica brick.....	Number.	245, 881	294, 402	103, 557	12, 757	15, 165	5, 132
Other nonclay refractories.....					10, 791	14, 041	9, 036
POTTERY							
Total value.....					111, 614	112, 019	66, 588
Red earthenware (flower pots, etc.).					2, 850	2, 798	2, 034
Stoneware (except chemical) and yellow and Rockingham ware.					4, 503	4, 144	3, 300
White ware, cream color, white granite, semiporcelain, and semivitreous porcelain.					31, 692	32, 067	20, 108
Hotel china.....					10, 020	10, 476	6, 595
Vitreous china plumbing fix- tures.					23, 628	24, 992	12, 894
Porcelain electrical supplies.....					22, 861	22, 136	13, 154
Saggers.....					1, 916	1, 308	645
All other products.....					14, 144	14, 098	7, 853
GLASS							
Total value.....					276, 762	299, 717	211, 955
Building glass							
Window glass.....	Sq. ft.	481, 021	402, 559	266, 772	26, 814	25, 962	10, 307
Obscured glass, including cathedral and skylight.	do.	41, 545	34, 294	17, 796	5, 093	5, 256	2, 389
Plate glass, polished.....	do.	118, 124	148, 743	87, 017	44, 258	50, 192	25, 765
Wire glass:							
Polished.....	do.	3, 320	3, 893	1, 448	1, 631	1, 714	551
Rough, for sale as such.....	do.	25, 795	38, 924	14, 216	2, 746	4, 278	1, 250
Pressed and blown glass (except containers)					76, 657	85, 552	56, 513
Containers.....					114, 381	121, 654	105, 338
All other products.....					5, 182	5, 110	9, 852

¹ Of 2,000 pounds.² Brick, block, or tile for locomotive and other fire-box lining, etc (9-inch equivalent); and high alumina brick

Source: Bureau of the Census, Department of Commerce.

No. 730.—PRODUCTION OF PRINCIPAL BURNED-CLAY BUILDING MATERIALS

Year	Brick (millions)			Value (thousands of dollars)							
	Common	Vitri-fied ¹	Face	Brick			Architectural terra cotta	Hollow building tile	Tile (not drain)	Sewer pipe	Fire brick
				Common	Vitri-fied ¹	Face					
1915.....	6,851	953	856	42,145	12,231	9,536	4,766	7,801	5,186	11,279	15,800
1916.....	7,394	942	1,003	49,357	12,237	11,465	6,466	9,943	6,475	13,577	21,437
1917.....	5,865	707	758	47,936	10,665	10,391	6,174	13,255	6,821	17,307	42,522
1918.....	3,557	403	356	38,782	7,145	6,095	2,650	13,037	5,062	15,334	51,648
1919.....	4,752	489	791	63,585	11,615	16,033	3,988	17,965	8,137	16,755	38,016
1920.....	4,852	468	787	82,216	12,679	19,441	10,852	27,112	12,470	25,371	53,416
1921.....	4,448	562	873	57,066	12,870	18,128	9,068	14,841	12,560	22,155	21,843
1922.....	5,899	517	1,417	72,613	10,816	28,234	12,410	19,708	16,597	23,600	31,357
1923.....	7,282	699	1,931	94,473	15,570	38,892	16,486	28,275	23,804	29,103	46,677
1924.....	7,159	554	2,030	86,092	12,974	39,931	16,446	24,998	24,812	32,400	40,621
1925.....	7,562	539	2,475	88,551	11,876	45,428	19,139	24,261	27,121	30,421	41,164
1926.....	7,517	468	2,440	88,227	10,285	41,516	19,667	27,818	31,985	29,303	42,707
1927.....	7,061	503	2,413	78,408	10,764	41,521	16,628	26,499	32,766	29,426	38,171
1928.....	6,413	378	2,412	69,333	7,800	40,034	13,642	25,792	31,523	23,969	37,392
1929.....	5,505	308	2,139	58,733	7,504	36,120	13,921	30,142	32,846	21,340	42,476
1930.....	3,631	300	1,482	37,433	6,247	24,615	10,016	22,219	23,034	15,964	36,054
1931.....	2,315	207	903	21,682	4,266	13,271	5,492	11,172	19,700	9,448	19,187
1932.....	1,013	133	384	8,705	2,642	5,273	2,317	4,209	8,108	3,745	9,924

¹ Vitri-fied brick or block

Source Bureau of the Census and Bureau of Mines, Departments of Commerce and the Interior

No. 731.—SALT: PRODUCTION, BY STATES AND KINDS; EXPORTS AND IMPORTS

NOTE.—All quantity figures in short tons (2,000 pounds). Production figures represent sales plus that used by producers, they include Puerto Rico. Imports are imports for consumption.

Year	Production	Exports	Imports	Year	Production	Exports	Imports
1880.....	834,548	1,642	509,703	1923.....	7,130,713	125,529	88,750
1885.....	985,411	2,108	440,290	1924.....	6,803,115	144,945	88,938
1890.....	1,242,779	2,464	257,323	1925.....	7,397,500	155,079	85,788
1895.....	1,913,751	3,602	279,576	1926.....	7,371,800	158,908	55,964
1900.....	2,921,708	7,511	199,909	1927.....	7,568,690	153,832	44,968
1905.....	3,635,257	34,238	161,159	1928.....	8,074,700	145,396	42,856
1910.....	4,242,792	49,013	137,103	1929.....	8,543,560	109,222	36,150
1915.....	5,352,409	80,474	122,326	1930.....	8,034,440	70,478	54,021
1920.....	6,840,029	139,272	137,654	1931.....	7,358,070	98,710	34,216
1921.....	4,981,154	109,863	93,095	1932.....	6,407,973	63,681	28,018
1922.....	6,792,849	134,989	113,922	1933.....	7,604,972	105,178	30,132

State or kind	1910	1915	1920	1925	1930	1932	1933
Production, total.....	4,242,792	5,352,409	6,840,029	7,397,500	8,054,440	6,407,973	7,604,972
By States.....							
Michigan.....	1,323,283	1,762,430	2,262,915	2,172,600	2,558,290	1,715,304	2,060,254
New York.....	1,629,953	1,570,446	1,903,101	2,053,970	2,009,280	1,556,612	1,847,496
Ohio.....	514,359	823,234	1,057,802	1,173,590	1,311,440	1,195,993	1,382,294
Kansas.....	393,603	527,123	733,655	812,540	759,800	648,800	732,947
Louisiana.....	(¹)	(²)	265,085	500,350	535,250	488,805	532,769
California.....	131,252	146,784	212,008	292,480	350,370	281,349	331,009
Texas.....	53,503	62,297	91,103	(²)	(²)	139,730	165,003
Utah.....	34,979	55,279	75,259	88,150	85,240	61,230	56,305
West Virginia.....	21,788	32,513	29,802	25,870	28,670	49,629	63,818
Undistributed.....	140,093	372,303	159,299	277,950	416,100	269,491	402,477
By kinds.....							
Manufactured (evapo-rated).....	1,953,069	2,335,823	2,409,924	2,235,170	2,358,610	2,053,421	2,358,654
In brine.....	1,314,492	1,851,199	2,819,916	2,819,690	3,718,460	2,769,821	3,461,026
Rock salt.....	975,231	1,165,387	1,610,189	2,342,640	1,977,370	1,584,731	1,784,992
Total value (dollars).....	7,900,344	11,747,686	29,894,075	26,162,361	25,009,480	19,938,830	22,318,086

¹ Louisiana is included with New York² Included in "Undistributed"

Source Bureau of Mines, Department of the Interior

No. 732.—ACCIDENT RATES IN ALL BRANCHES OF THE MINERAL INDUSTRY, 1921 TO 1932

Year	Average days active	Men employed		Man shifts	Number killed	Number injured ¹	Number killed or injured per thousand 300-day workers	
		Actual number	Equivalent in 300-day workers				Killed	Injured ¹
1921.....	188	1, 044, 001	653, 414	196, 024, 209	2, 381	35, 416	3 6	198 0
1922.....	174	1, 092, 863	635, 299	190, 589, 710	2, 529	46, 307	4 0	201 1
1923.....	222	1, 153, 894	852, 145	255, 643, 525	3, 071	59, 570	3 6	203 9
1924.....	220	1, 073, 630	787, 065	236, 119, 757	3, 031	57, 766	3 9	201 1
1925.....	222	1, 049, 579	777, 896	233, 368, 875	2, 826	58, 704	3 6	197 2
1926.....	242	1, 058, 843	855, 632	256, 689, 813	3, 201	52, 752	3 7	178 1
1927.....	225	1, 044, 537	782, 635	234, 790, 290	2, 797	45, 618	3 6	163 2
1928.....	231	951, 449	733, 728	220, 118, 341	2, 629	38, 717	3 6	146 1
1929.....	243	928, 648	752, 809	225, 842, 583	2, 728	38, 806	3 6	143 1
1930.....	217	888, 514	641, 749	192, 524, 971	2, 492	130, 580	3 9	203 5
1931.....	188	784, 347	492, 009	147, 602, 799	1, 707	96, 412	3 5	196 0
1932.....	165	671, 343	368, 852	110, 655, 616	1, 368	68, 717	3 7	186 3

¹ Excluding coal mines prior to 1930. Data excluding coal mines are: Number injured, 1930, 26,759, 1931, 16,063, 1932, 9,745, number injured per thousand 300-day workers, 1930, 117.0; 1931, 99.7, 1932, 91.6.

Source Bureau of Mines, Department of the Interior

No. 733.—ACCIDENTS IN MINERAL INDUSTRIES: BY GROUPS OF INDUSTRIES

NOTE.—Figures for metal mines include mines producing nonmetallic minerals other than coal

Year	Number em- ployed		Killed	Injured		Year	Number em- ployed		Killed	Injured	
	Actual num- ber	Equiva- lent in 300-day workers		Tem- porary	Perma- nent		Actual num- ber	Equiva- lent in 300-day workers		Tem- porary	Perma- nent
Metal mines						Metallurgical Plants—Con					
1915.....	152, 118	141, 997	553	34, 686	609	1929.....	47, 399	53, 587	43	4, 368	207
1920.....	136, 583	134, 540	425	32, 205	357	1930.....	40, 787	44, 403	25	2, 570	156
1923.....	123, 279	121, 866	367	33, 129	434	1931.....	28, 938	28, 806	16	1, 304	89
1924.....	123, 128	119, 113	418	32, 706	412	1932.....	21, 564	18, 474	8	778	59
1925.....	126, 713	123, 908	371	34, 458	674	Coke ovens:					
1926.....	127, 823	123, 870	430	29, 773	577	1916.....	31, 603	34, 119	45	5, 154	83
1927.....	119, 699	113, 447	352	24, 605	528	1920.....	28, 139	29, 921	49	3, 336	79
1928.....	113, 866	109, 345	273	21, 914	569	1923.....	23, 729	25, 627	45	2, 517	76
1929.....	118, 735	115, 394	350	22, 615	477	1924.....	20, 451	20, 681	24	1, 607	38
1930.....	103, 233	92, 900	271	15, 091	503	1925.....	23, 254	24, 054	28	1, 652	44
1931.....	80, 940	62, 405	158	8, 402	307	1926.....	23, 115	24, 288	51	1, 874	48
1932.....	53, 288	36, 984	107	4, 837	177	1927.....	20, 667	23, 223	25	1, 232	53
Quarries:						1928.....	19, 390	21, 710	17	979	33
1915.....	100, 740	82, 447	148	9, 148	523	1929.....	22, 459	25, 724	22	1, 293	36
1920.....	86, 488	77, 089	178	10, 880	337	1930.....	19, 855	22, 936	28	990	32
1923.....	92, 456	85, 153	143	14, 547	443	1931.....	15, 564	18, 163	9	499	35
1924.....	94, 242	84, 426	138	14, 307	470	1932.....	12, 002	13, 862	14	298	22
1925.....	91, 872	83, 487	149	13, 713	452	Coal mines:					
1926.....	91, 146	82, 361	154	12, 770	431	1911.....	728, 348	534, 122	2, 656	(1)	(1)
1927.....	91, 517	82, 609	135	13, 094	365	1915.....	734, 008	511, 598	2, 269	(1)	(1)
1928.....	89, 667	81, 825	119	10, 207	861	1920.....	784, 621	601, 283	2, 272	(1)	(1)
1929.....	85, 561	76, 559	126	9, 510	300	1922.....	844, 807	405, 056	1, 984	(1)	(1)
1930.....	80, 633	68, 531	105	7, 152	265	1923.....	862, 536	560, 000	2, 462	(1)	(1)
1931.....	69, 200	51, 755	61	5, 222	205	1924.....	779, 613	499, 896	2, 402	(1)	(1)
1932.....	56, 866	37, 047	32	3, 464	110	1925.....	748, 805	480, 227	2, 234	(1)	(1)
Metallurgical plants:						1926.....	759, 633	559, 426	2, 518	(1)	(1)
1916.....	80, 201	88, 596	83	14, 863	217	1927.....	759, 177	503, 065	2, 231	(1)	(1)
1920.....	59, 232	65, 587	61	8, 714	149	1928.....	682, 831	468, 680	2, 176	(1)	(1)
1923.....	53, 871	59, 499	58	8, 260	164	1929.....	654, 494	481, 545	2, 187	(1)	(1)
1924.....	56, 196	62, 948	55	8, 132	94	1930.....	644, 006	412, 979	2, 063	101, 093	2, 718
1925.....	58, 935	66, 220	44	7, 480	231	1931.....	589, 705	330, 880	1, 463	78, 478	1, 871
1926.....	57, 726	65, 687	48	7, 052	227	1932.....	527, 623	262, 484	1, 207	57, 444	1, 528
1927.....	53, 477	60, 291	54	5, 533	208	1933.....	(1)	(1)	1, 013	(1)	(1)
1928.....	45, 695	52, 668	44	4, 473	181						

¹ Not available

Source Bureau of Mines, Department of the Interior.

32.—MANUFACTURES

[Data in this section relate to continental United States. For additional statistics regarding food manufacturing industries and mineral manufacturing industries see sections on Farm Animals and Animal Products, Farm Crops and Foodstuffs, and Mining and Mineral Products.]

GENERAL NOTE.—Prior to 1899 census statistics of manufactures were collected decennially and from then to 1919 every five years. Beginning with 1921 data are being collected every two years. For the census of 1899 and previous censuses data were collected for both factories and hand and neighborhood industries. For the census years 1904 to 1919, inclusive, factories having products valued at \$500 or more were included, but the statistics beginning 1921 (except as to certain major items shown for that year in Table 735 only), relate only to establishments having products valued at \$5,000 or more. However, in 1921, establishments having products valued at \$500 or more but less than \$5,000, while constituting 21.6 per cent of the total number of establishments, employed only six-tenths of 1 per cent of the total number of wage earners, and had an output of only three-tenths of 1 per cent of the total value of products.

The statistics for automobile repairing, collected for 1914 and 1919, have been excluded from Tables 734 to 738. Data for "Coffee and spices, roasting and grinding," have been included, except for 1925, for which year such data were not tabulated for the United States as a whole, and data for "Poultry killing, dressing, and packing, wholesale" are included for all years except 1927, for which year this industry was not canvassed. In Table 734, data for central-administrative-office employees have been excluded for 1923 and later years. The figures for 1914, 1919, and 1921, however, include such data.

Figures for wages, cost of materials, etc., and value of products are greatly affected by changes in the buying power of money or, in other words, by the general levels of prices and wages. Figures of total cost of materials, etc., and total value of products for many individual industries, for all groups of industries, and especially for all industries combined, involve much duplication. This is due to the use of products of a given establishment as material for another in the same or a different industry.

No. 734.—MANUFACTURES: SUMMARY, 1849 TO 1931

	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	Horse-power	Salaries	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture
	In thousands				In millions of dollars				
Factories and hand and neighborhood industries.									
1849-----	123	(¹)	957	(²)	(¹)	237	555	1,019	464
1859-----	140	(¹)	1,311	(²)	(¹)	379	1,032	1,886	854
1869-----	252	(¹)	2,054	² 2,346	(¹)	620	1,991	3,386	1,895
1879-----	254	(¹)	2,733	² 3,411	(¹)	948	3,397	5,370	1,973
1889-----	355	(¹)	4,252	² 5,939	(¹)	1,891	5,162	9,372	4,210
1899-----	512	(¹)	5,306	² 10,098	(¹)	2,321	7,344	13,000	5,657
Factories, excluding hand and neighborhood industries and establishments with products valued at less than \$500:									
1899-----	208	364	4,713	(⁴)	381	2,008	6,576	11,407	4,831
1904-----	216	520	5,468	² 13,488	574	2,610	8,500	14,794	6,294
1909-----	268	790	6,615	² 18,675	939	3,427	12,143	20,672	8,529
1914-----	273	963	7,024	² 22,421	1,274	4,068	14,359	24,217	9,858
Factories, excluding establishments with products valued at less than \$5,000.									
1914-----	177	² 963	6,896	² 22,291	² 1,274	² 4,068	14,278	23,988	9,710
1919-----	214	² 1,438	9,000	² 29,328	² 2,881	² 10,462	37,233	62,042	24,809
1921-----	196	1,146	6,947	(²)	2,563	8,202	25,321	43,653	18,332
1923-----	196	1,269	8,778	33,094	2,806	11,009	34,706	60,556	25,850
1925-----	187	1,256	8,384	35,773	2,922	10,730	35,936	62,714	26,778
1927-----	192	1,301	8,350	38,826	3,230	10,849	35,133	62,718	27,585
1929-----	211	1,359	8,839	42,931	3,595	11,621	38,550	70,435	31,885
1931-----	175	(²)	6,523	(²)	(²)	7,186	21,484	41,350	19,867

¹ No comparable data.

² Not called for on schedule.

³ Figures include purchased power other than electric.

⁴ Data approximately the same as given for factories and hand and neighborhood industries, as the amount of horsepower used in the latter is small.

⁵ Includes data for all establishments reporting products valued at \$500 or more. This item was not tabulated separately for establishments reporting products valued between \$500 and \$5,000.

Source: Bureau of the Census, Department of Commerce.

No. 735.—MANUFACTURES: ESTABLISHMENTS, CLASSIFIED BY VALUE OF PRODUCTS ¹

NOTE.—See general note, p 697 Data by size of establishments were not compiled for 1927 and 1931

Class of establishments according to value of products	Establishments		Wage earners		Value of products	
	Number	Per cent distribution	Average number	Per cent distribution	Amount	Per cent distribution
Less than \$5,000						
1929.....	(2)	-----	(2)	-----	(2)	-----
1925.....	(2)	-----	(2)	-----	(2)	-----
1923.....	(2)	-----	(2)	-----	(2)	-----
1921.....	² 53,999	-----	³ 40,924	0.6	³ \$136,926,075	0.3
1919.....	60,215	-----	41,252	.5	151,631,298	2
1914.....	95,408	-----	127,495	1.8	228,653,956	9
\$5,000 and over						
1929.....	210,959	100 0	8,838,743	100 0	70,434,863,443	100 0
1925.....	187,390	100 0	8,384,261	100 0	62,713,713,730	100 0
1923.....	196,309	100 0	8,778,156	100 0	60,555,998,200	100 0
1921.....	196,267	100 0	6,946,670	99.4	48,653,282,833	99.7
1919.....	214,383	100 0	9,000,059	99.5	62,041,795,316	99.8
1914.....	177,110	100 0	6,896,190	98.2	23,987,860,617	99.1
\$5,000 to \$20,000.						
1929.....	69,423	32.9	202,958	2.3	771,417,436	1.1
1925.....	55,876	29.8	156,373	1.9	628,373,403	1.0
1923.....	61,981	31.6	189,738	2.2	697,996,786	1.1
1921.....	71,075	36.2	224,852	3.2	782,977,433	1.8
1919.....	79,699	37.2	227,977	2.5	866,086,290	1.4
1914.....	86,687	48.9	423,829	6.0	893,459,166	3.7
\$20,000 to \$100,000.						
1929.....	75,225	35.7	693,155	7.8	3,587,697,276	5.1
1925.....	68,951	36.8	660,809	7.9	3,272,196,872	5.2
1923.....	72,370	36.9	718,746	8.2	3,426,433,520	5.7
1921.....	72,251	36.8	746,024	10.7	3,380,350,409	7.6
1919.....	75,627	35.3	773,701	8.6	3,487,756,280	5.6
1914.....	56,557	31.9	995,743	14.2	2,540,949,405	10.5
\$100,000 to \$500,000						
1929.....	44,153	20.9	1,672,983	18.9	10,023,771,653	14.2
1925.....	42,209	22.5	1,675,911	20.0	9,576,090,022	15.8
1923.....	42,076	21.4	1,721,266	19.6	9,496,592,898	15.7
1921.....	38,027	19.4	1,629,573	23.3	8,405,758,540	19.2
1919.....	36,447	18.4	1,712,554	18.9	8,929,364,110	14.4
1914.....	30,147	17.0	3,000,612	42.7	8,759,391,117	36.2
\$500,000 to \$1,000,000						
1929.....	10,395	4.9	1,121,547	12.7	7,294,860,945	10.4
1925.....	9,771	5.2	1,131,439	13.5	6,870,112,293	11.0
1923.....	9,556	4.9	1,134,897	12.9	6,752,818,172	11.1
1921.....	7,681	3.9	966,559	13.8	5,296,720,583	12.1
1919.....	9,197	4.2	1,112,815	12.3	6,457,485,019	10.4
1914.....	(5)	-----	(5)	-----	(5)	-----
\$1,000,000 and over						
1929.....	11,763	5.6	5,148,100	58.3	48,757,116,133	69.2
1925.....	10,583	5.7	4,760,229	56.7	42,366,941,140	67.5
1923.....	10,327	5.2	5,013,509	57.1	40,182,156,874	66.4
1921.....	7,333	3.7	3,379,562	48.4	25,837,475,868	59.0
1919.....	10,413	4.9	5,172,712	57.2	42,301,103,617	68.0
1914.....	3,819	2.2	2,476,006	35.8	11,794,060,929	48.7

¹ To make the percentages for the number of establishments comparable, those for all 6 years have been based on the number of establishments reporting products valued at \$5,000 or more. The percentages for wage earners and value of products, however, have not been similarly adjusted, the comparability of these percentages having been affected very slightly by the omission of small establishments in 1923, 1925, and 1929.

² No data for establishments with products under \$5,000 in value have been tabulated for 1923, 1925, and 1929.

³ The data for the 53,999 establishments in the "Less than \$5,000" class are not included in other tables showing statistics for 1921.

⁴ Figures include data for the \$500,000 to \$1,000,000 class.

⁵ Data included with the \$100,000 to \$500,000 class.

Source Bureau of the Census, Department of Commerce

No. 736.—MANUFACTURES: PRIME MOVERS, MOTORS, AND GENERATORS, NUMBER AND RATED CAPACITY
 NOTE.—See general note, p. 697. No data for prime movers were collected for 1931

Year, division, and industry group	Estab-lish-ments report-ing equip-ment	Prime movers and electric motors driven by purchased energy						Electric motors driven by energy generated in establishments reporting		Electric gen-erators		
		Steam engines and turbines		Internal combustion engines		Water wheels and water turbines		Electric motors driven by purchased energy				
		Num-ber	Horse-power	Num-ber	Horse-power	Num-ber	Horse-power	Num-ber	Horse-power			
United States ¹												
1929	193, 969	42, 031, 061	77, 225	11, 288	1, 223, 833	6, 523	1, 550, 618	2, 724, 843	22, 775, 604	852, 432	12, 376, 376	17, 270, 7, 793, 875
1927	174, 118	38, 825, 681	73, 352	12, 664	1, 170, 774	7, 594	1, 598, 066	2, 151, 675	19, 132, 310	790, 810	11, 216, 979	19, 028, 7, 345, 685
1925	167, 649	35, 772, 628	82, 176	14, 362	1, 186, 116	8, 393	1, 800, 828	1, 724, 180	15, 898, 828	772, 445	10, 254, 745	23, 635, 6, 887, 045
1923	173, 475	33, 094, 228	90, 057	16, 700, 993	1, 224, 262	9, 293	1, 303, 310	1, 445, 003	13, 365, 063	616, 422	8, 821, 551	(^c)
New England	16, 953	4, 686, 822	5, 823	1, 680, 519	600	35, 738	2, 546	742, 398	299, 089	2, 228, 167	140, 722	1, 336, 725
Middle Atlantic	58, 312	11, 623, 082	17, 003	4, 904, 103	2, 372	340, 351	1, 434	248, 133	608, 620	6, 130, 955	256, 519	3, 618, 960
East North Central	42, 845	12, 602, 451	16, 094	5, 173, 593	2, 132	400, 876	1, 068	240, 702	812, 193	6, 778, 190	262, 181	4, 719, 2, 564, 246
West North Central	16, 614	2, 210, 192	5, 066	63, 032	923	76, 384	242	84, 658	163, 371	1, 296, 108	37, 307	512, 188
South Atlantic	9, 011	4, 318, 015	12, 388	1, 744, 461	1, 827	152, 423	884	153, 562	255, 163	2, 267, 569	73, 840	1, 050, 273
East South Central	9, 395	1, 993, 354	6, 962	830, 783	1, 170	40, 090	138	10, 096	55, 196	1, 014, 335	28, 844	338, 983
West South Central	9, 919	1, 749, 555	6, 438	840, 611	1, 227	118, 041	17	820	73, 906	770, 031	16, 118	371, 123
Mountain	3, 974	938, 689	1, 784	445, 035	345	22, 400	65	7, 396	33, 927	463, 668	10, 808	238, 103
Pacific	16, 446	2, 892, 301	5, 032	855, 727	642	35, 510	189	71, 723	133, 378	1, 836, 541	28, 594	535, 549
Food and kindred products	53, 457	4, 607, 913	15, 288	3, 807	213, 859	1, 870	102, 300	356, 621	2, 831, 975	67, 938	642, 630	2, 854, 475, 695
Textiles and their products	25, 706	4, 145, 998	3, 942	1, 572, 940	207	18, 740	1, 560	397, 630	486, 703	2, 156, 673	100, 246	1, 044, 623
Forest products	24, 912	3, 674, 204	22, 037	2, 308, 514	2, 179	64, 396	532	48, 951	101, 803	1, 952, 343	73, 065	400, 862
Paper and allied products	2, 940	3, 165, 894	3, 202	1, 316, 598	108	19, 136	1, 725	871, 408	68, 591	659, 452	53, 177	1, 248, 776
Printing, publishing, and allied industries	24, 072	649, 441	4, 417	40, 098	207	3, 150	64	255, 791	606, 146	31, 002	167	22, 615
Chemicals and allied products	6, 940	2, 312, 295	4, 619	1, 032, 498	500	31, 369	84	20, 294	102, 960	1, 228, 149	53, 939	33, 699
Products of petroleum and coal	1, 369	1, 755, 288	10, 104	1, 066, 094	651	72, 854	9	26, 569	613, 100	25, 031	604, 471	134, 150, 569
Rubber products	4, 014	436, 342	1, 000	188, 973	65	5, 570	33	3, 080	572, 363	11, 832	119, 694	545, 110, 021
Leather and its manufactures	7, 938	2, 854, 402	2, 965	932, 766	1, 520	97, 796	7	23, 680	235, 694	15, 781	119, 694	545, 110, 021
Stone, clay, and glass products	6, 503	9, 200, 822	6, 062	4, 778, 047	566	610, 957	159	19, 662	3, 792, 146	29, 615	812, 842	1, 019, 579, 134
Iron, steel, and products, excl machinery	6, 522	1, 570, 217	834	501, 330	154	8, 645	55	222, 607	3, 792, 146	130, 512	406, 875	1, 019, 579, 134
Nonferrous metals and their products	12, 634	3, 647, 343	2, 161	753, 801	50	59, 674	278	18, 855	363, 554	23, 635	343, 572	446, 452, 457
Machinery, excl transportation equipment	2, 516	2, 271, 192	1, 333	521, 417	220	11, 586	19	363, 554	2, 815, 038	101, 601	763, 463	1, 390, 480, 461
Transportation equipment—air, land, water	1, 965	1, 153, 147	1, 892	437, 338	102	4, 424	150	196, 548	1, 286, 038	49, 949	491, 682	491, 682
Railroad repair shops	11, 972	664, 371	949	203, 979	191	10, 733	92	119, 067	440, 662	28, 407	173, 457	562, 179, 664
Miscellaneous												465, 111, 391

¹ Not called for on schedule

Source. Bureau of the Census, Department of Commerce.

No. 737.—SUMMARY BY 16 GENERAL GROUPS OF INDUSTRIES

NOTE—Figures for 1919 include establishments with products under \$5,000 in value, see general note, p 697

Industry	Cen- sus year	Num- ber of estab- lish- ments	Wage earn- ers (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufac- ture	Horse- power
All industries.....	1931	175,325	6,523,026	7,185,971	21,483,678	41,350,465	19,866,787	(1)
	1929	210,959	8,838,743	11,620,973	38,549,580	70,434,863	31,885,284	42,931,061
	1927	191,866	8,349,755	10,848,803	35,133,137	62,718,347	27,585,210	38,825,681
	1925	187,390	8,384,261	10,729,969	35,935,648	62,713,714	26,778,066	35,772,628
	1923	196,309	8,778,156	11,009,298	34,705,698	60,555,998	25,850,300	33,094,228
	1921	196,267	6,946,570	8,202,324	25,321,055	43,653,283	18,332,227	(1)
	1919	274,598	9,041,311	10,461,787	37,288,731	62,193,427	24,904,695	29,327,669
1. Food and kindred products	1931	48,796	650,591	736,958	5,526,680	8,247,734	2,721,055	(1)
	1929	56,320	753,247	902,143	8,632,283	12,023,589	3,391,306	4,607,913
	1927	49,787	679,520	823,388	8,113,433	11,015,860	2,902,427	4,134,973
	1925	48,113	664,760	793,681	7,748,678	10,418,536	2,669,858	3,881,952
	1923	51,847	682,137	795,571	6,990,846	9,524,051	2,533,204	3,723,025
	1921	52,113	626,618	746,266	6,122,933	8,267,130	2,144,197	(1)
	1919	69,423	733,664	774,724	10,252,631	12,748,348	2,495,718	3,203,106
2 Textiles and their products	1931	23,750	1,420,808	1,238,179	3,019,986	5,849,032	2,829,046	(1)
	1929	27,404	1,707,798	1,733,031	5,103,846	9,243,303	4,139,457	4,145,998
	1927	26,843	1,694,416	1,759,958	4,922,716	8,950,473	4,027,757	4,173,438
	1925	24,450	1,628,283	1,654,814	5,349,925	9,126,155	3,776,230	3,986,522
	1923	26,763	1,715,293	1,743,798	5,394,441	9,462,282	4,067,841	3,783,401
	1921	25,955	1,509,738	1,472,352	3,801,090	6,956,465	3,155,375	(1)
	1919	28,451	1,610,003	1,481,143	5,379,388	9,210,933	3,831,545	3,248,364
3 Forest products.....	1931	16,171	516,793	448,702	783,711	1,687,746	904,035	(1)
	1929	26,912	876,383	939,383	1,586,183	3,591,765	2,005,582	3,674,204
	1927	20,169	864,508	931,921	1,636,647	3,462,925	1,826,278	3,332,457
	1925	21,926	921,266	978,472	1,725,351	3,689,127	1,963,776	3,472,970
	1923	21,678	931,816	962,595	1,666,395	3,633,386	1,966,991	3,336,236
	1921	21,398	703,360	670,462	1,197,628	2,456,857	1,259,229	(1)
	1919	41,201	864,001	859,872	1,368,341	3,113,460	1,745,119	3,409,746
4 Paper and allied products	1931	2,883	194,581	214,337	758,010	1,357,582	599,572	(1)
	1929	3,126	233,393	287,331	1,092,722	1,892,251	799,529	3,166,804
	1927	2,972	224,437	272,154	1,082,363	1,785,998	703,634	2,813,694
	1925	2,727	221,502	263,097	919,657	1,546,814	627,157	2,574,707
	1923	2,685	219,026	250,144	878,764	1,456,970	578,206	2,313,562
	1921	2,600	184,756	202,703	669,070	1,071,800	402,730	(1)
	1919	2,677	208,115	212,724	720,908	1,250,445	529,637	1,967,446
5 Printing, publish- ing, and allied in- dustries.	1931	24,918	316,769	538,011	581,021	2,497,214	1,916,194	(1)
	1929	27,522	357,988	636,371	766,484	3,170,140	2,403,656	649,441
	1927	25,433	328,603	586,183	755,038	2,859,860	2,104,323	569,528
	1925	23,826	315,264	542,419	694,577	2,596,871	1,902,294	486,087
	1923	23,114	307,993	492,906	665,654	2,315,318	1,649,664	429,967
	1921	22,777	282,500	434,728	663,300	2,078,764	1,415,464	(1)
	1919	33,747	301,934	351,998	587,294	1,764,387	1,177,093	379,236
6 Chemicals and al- lied products ¹	1931	7,485	231,463	264,721	1,268,973	2,673,325	1,404,352	(1)
	1929	8,278	280,568	354,393	1,970,713	3,759,405	1,788,691	2,312,295
	1927	7,541	253,436	317,908	1,803,085	3,351,892	1,548,808	1,848,309
	1925	7,282	244,812	296,526	1,830,592	3,211,230	1,380,639	1,748,481
	1923	7,197	246,527	288,834	1,702,944	2,933,562	1,230,617	1,654,228
	1921	7,348	199,596	224,333	1,352,904	2,225,917	873,013	(1)
	1919	10,732	329,053	364,884	2,269,388	3,803,753	1,534,414	1,720,521
7 Products of petro- leum and coal.	1931	1,317	120,146	182,368	1,551,734	2,264,817	713,083	(1)
	1929	1,497	147,216	229,050	2,546,840	3,647,748	1,100,908	1,755,258
	1927	1,418	141,655	217,485	2,262,699	3,060,226	797,527	1,513,314
	1925	1,582	136,366	210,034	2,356,583	3,230,009	873,425	1,241,877
	1923	1,650	138,330	212,832	1,981,370	2,778,888	797,518	1,092,914
	1921	1,560	115,006	180,452	1,760,805	2,372,039	611,235	(1)
	1919	1,684	131,759	185,599	1,635,920	2,289,170	653,250	709,597

¹ Not called for on schedule.² The comparability of the figures for 1919 with those for later years is affected by the decrease in the legal manufacture of alcoholic beverages resulting from the enactment of the national prohibition act.

No. 737.—SUMMARY BY 16 GENERAL GROUPS OF INDUSTRIES—Continued

Industry	Cen- sus year	Num- ber of estab- lish- ments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufac- ture	Horse- power
In thousands of dollars								
8. Rubber products----	1931	453	99,259	112,596	252,867	614,265	361,398	(1)
	1929	525	149,148	207,306	578,678	1,117,460	538,783	821,312
	1927	516	141,997	198,074	660,370	1,225,077	564,707	790,622
	1925	530	141,869	191,286	721,730	1,260,805	539,075	659,691
	1923	529	137,868	182,084	501,163	958,518	457,355	605,634
	1921	406	103,273	123,613	377,879	704,903	327,024	(1)
	1919	477	158,549	193,763	594,344	1,138,216	543,872	429,273
9. Leather and its manufatures.	1931	3,702	272,757	262,130	666,200	1,189,876	523,676	(1)
	1929	4,285	318,472	359,461	1,132,022	1,906,201	774,179	439,424
	1927	4,272	316,081	364,537	1,088,816	1,869,615	780,799	419,843
	1925	4,252	314,128	355,419	1,013,013	1,764,017	751,005	413,331
	1923	4,880	343,745	388,811	1,083,647	1,880,828	797,181	413,332
	1921	4,827	280,363	314,652	934,825	1,545,207	610,382	(1)
	1919	6,423	350,079	364,036	1,714,904	2,013,217	898,313	383,396
10 Stone, clay, and glass products.	1931	6,408	222,856	248,860	316,468	925,318	608,850	(1)
	1929	8,515	328,417	432,817	526,340	1,561,415	1,035,075	2,854,402
	1927	8,673	350,017	464,273	594,774	1,612,549	1,017,774	2,709,131
	1925	8,478	353,036	467,012	603,427	1,640,652	1,037,225	2,345,157
	1923	8,317	351,692	453,567	573,472	1,563,121	969,648	1,936,054
	1921	8,347	252,900	307,065	428,259	1,033,091	604,832	(1)
	1919	12,599	302,810	332,726	422,611	1,111,746	689,135	1,584,917
11 Iron and steel and their products, not including machinery	1931	5,965	597,953	705,125	1,806,370	3,277,406	1,471,035	(1)
	1929	6,640	880,882	1,380,987	3,862,873	7,137,928	3,275,055	9,200,822
	1927	6,340	834,967	1,263,812	3,544,615	6,197,595	2,652,980	8,322,730
	1925	6,063	850,783	1,283,841	3,734,085	6,460,222	2,726,138	7,618,726
	1923	6,353	892,185	1,324,173	4,152,741	6,827,670	2,674,929	7,259,009
	1921	6,251	571,426	730,875	2,140,171	3,455,541	1,315,370	(1)
	1919	7,617	857,764	1,243,726	3,423,280	5,887,844	2,464,564	6,429,697
12. Nonferrous metals and their prod- ucts.	1931	6,310	208,855	240,177	862,187	1,449,262	587,074	(1)
	1929	7,522	314,741	443,467	2,465,444	3,567,058	1,131,614	1,570,217
	1927	6,761	272,667	383,185	1,783,213	2,677,107	893,894	1,226,411
	1925	7,006	276,616	382,652	1,948,438	2,839,550	891,112	1,162,140
	1923	7,501	297,798	395,079	1,767,638	2,637,160	869,622	1,171,192
	1921	7,853	212,680	256,893	886,265	1,408,059	521,795	(1)
	1919	10,441	304,768	359,171	1,737,234	2,519,032	781,798	963,109
13 Machinery, not in- cluding transpor- tation equipment	1931	11,184	686,706	786,936	1,195,166	3,364,864	2,169,698	(1)
	1929	12,955	1,091,269	1,634,166	2,694,380	7,043,380	4,249,001	3,647,343
	1927	11,982	883,508	1,284,133	2,053,942	5,348,724	3,294,782	2,995,296
	1925	11,807	858,843	1,225,359	1,985,367	5,020,281	3,034,914	2,714,377
	1923	12,147	907,707	1,253,743	1,891,524	4,727,818	2,836,294	2,300,443
	1921	12,395	662,277	832,783	1,361,163	3,235,075	1,873,912	(1)
	1919	14,821	998,484	1,240,487	1,973,458	4,708,673	2,795,216	2,060,325
14 Transportation equipment, air, land, and water	1931	2,058	373,759	468,609	1,736,928	2,898,626	1,161,668	(1)
	1929	2,550	583,355	943,222	3,683,148	6,047,209	2,364,061	2,271,192
	1927	2,537	494,905	803,298	2,907,949	4,693,972	1,786,022	2,027,686
	1925	2,778	559,578	908,488	3,389,101	5,451,753	2,062,652	1,888,961
	1923	3,873	606,328	963,939	3,394,505	5,333,479	1,938,975	1,624,468
	1921	4,273	405,773	591,334	1,803,011	3,018,154	1,215,143	(1)
	1919	6,768	858,552	1,259,014	3,200,602	5,627,263	2,426,661	1,453,804
15 Railroad repair shops	1931	2,167	309,034	435,245	298,824	740,763	441,939	(1)
	1929	2,297	398,156	637,311	548,344	1,269,917	721,573	1,153,147
	1927	2,309	428,672	648,908	545,492	1,289,695	744,203	1,110,821
	1925	2,363	457,755	668,182	563,646	1,332,679	768,033	942,248
	1923	2,348	523,430	772,988	631,358	1,520,093	888,738	798,006
	1921	2,326	418,285	671,955	506,571	1,267,343	760,771	(1)
	1919	2,368	515,709	726,690	547,829	1,354,446	806,617	644,875
16 Miscellaneous in- dustries	1931	11,758	300,696	303,015	858,553	2,312,635	1,454,081	(1)
	1929	14,612	417,410	500,534	1,359,280	3,426,095	2,066,815	664,280
	1927	14,313	440,366	529,587	1,377,985	3,316,780	2,158,795	737,428
	1925	14,207	439,400	508,677	1,351,473	3,125,011	2,177,533	732,401
	1923	15,427	475,281	528,205	1,429,234	3,002,855	2,157,621	701,177
	1921	15,748	417,929	441,880	1,315,180	2,556,937	1,241,757	(1)
	1919	25,169	516,037	511,230	1,460,650	2,992,492	1,531,842	780,263

¹ Not called for on schedule² Revised; revision not carried into total for all groups³ The decrease in the 1927 figures was chiefly due to practical ceasing of operations of a large company for a few months of the year.⁴ Excludes internal revenue tax paid by tobacco manufacturers. This amounted to \$422,027,000 in 1931.⁵ Includes internal revenue tax paid by tobacco manufacturers.

Source. Bureau of the Census, Department of Commerce.

No. 738.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES

NOTE.—The figures given in this table do not represent exactly the numbers of wage earners, values of products, etc., assignable to the classes of commodities from which the industries derive their names, as it is necessary for census purposes to classify each establishment as a whole in some one industry, according to its product of chief value, although in many cases a single establishment manufactures two or more classes of commodities. The figures for cost of materials and value of products for each group and each subgroup include considerable duplication due to the use of the products of one industry as the materials for another, and in some cases similar duplication occurs within an industry. No data for horsepower were collected for 1931. For totals for all industries and for 16 great groups see Table 737. Five census years have been shown for all industries that reported \$200,000,000 or more in value of products or over 50,000 wage earners in 1929, and three census years for other industries, except as indicated by footnotes.

Industry	Cen- sus year	Num- ber of estab- lish- ments	Wage earn- ers (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufac- ture	Horse- power
In thousands of dollars								
FOOD AND KINDRED PRODUCTS								
Animal products, total	1931	11,922	171,093	208,922	2,671,813	3,353,725	681,912	-----
	1929	12,761	201,745	262,186	4,263,957	5,148,496	884,539	1,091,228
	1927	11,774	189,645	249,881	3,815,254	4,563,036	747,782	965,363
	1925	11,863	189,933	245,304	3,752,515	4,498,931	746,416	875,878
	1923	12,576	205,058	255,860	3,260,761	3,977,645	716,884	785,494
Butter-----	1931	3,367	15,667	18,623	393,228	463,472	70,245	-----
	1929	3,527	19,097	24,198	635,874	746,418	110,544	164,413
	1927	3,519	20,096	25,533	637,337	739,011	101,674	145,973
	1925	3,493	17,758	22,263	603,397	683,593	80,196	126,872
	1923	3,653	20,312	24,950	649,558	640,474	90,916	126,351
Cheese-----	1931	2,371	2,964	3,564	54,081	68,072	13,991	-----
	1929	2,758	3,401	4,588	92,727	110,645	17,918	24,739
	1927	2,738	3,520	4,897	100,788	118,448	17,660	20,976
Condensed and evaporated milk.	1931	485	6,121	7,256	109,397	148,598	39,201	-----
	1929	535	7,065	8,796	163,787	209,110	45,323	85,258
	1927	464	7,390	9,191	159,680	200,086	40,406	63,969
	1925	402	7,118	8,391	140,041	171,247	31,206	53,937
	1923	378	8,293	10,126	153,996	187,111	33,115	48,300
Ice cream-----	1931	2,948	17,819	25,416	110,504	268,515	158,011	-----
	1929	3,150	22,399	33,803	155,964	328,414	172,450	230,882
	1927	2,961	21,927	33,108	150,602	301,645	151,043	206,315
	1925	2,790	23,043	33,457	140,864	286,176	145,312	189,328
	1923	2,762	23,132	32,435	145,307	259,967	114,660	169,730
Meat packing, whole-sale	1931	1,209	106,707	134,530	1,839,260	2,180,823	341,564	-----
	1929	1,277	122,505	165,867	2,974,128	3,434,654	480,526	524,989
	1927	1,250	119,095	161,584	2,663,740	3,057,216	393,475	489,576
	1925	1,269	120,422	159,355	2,625,192	3,050,286	425,094	441,516
	1923	1,397	132,792	167,569	2,176,010	2,585,804	409,794	382,127
Poultry killing, dress- ing, and packing, wholesale ¹	1931	497	6,982	5,944	77,667	97,560	19,893	-----
	1929	485	7,769	7,285	106,866	130,161	23,296	13,500
Sausage, meat pud- dings, headcheese, etc., and sausage cas- ings, not made in meat-packing estab- lishments.	1931	741	6,242	8,366	59,272	84,333	25,060	-----
	1929	681	5,897	8,850	81,372	108,246	26,875	25,755
	1927	505	4,967	7,464	60,216	81,548	21,333	19,980
Canned and preserved fish, crabs, shrimps, oysters, and clams	1931	304	8,591	5,222	28,404	42,352	13,948	-----
	1929	348	13,612	8,799	53,240	80,849	27,609	21,692
	1927	337	12,650	8,106	42,892	65,082	22,191	18,574
Vegetable prod- ucts and bev- erages, total	1931	36,874	479,498	528,036	2,854,867	4,894,009	2,089,143	-----
	1929	43,559	551,502	639,957	4,368,326	6,875,093	2,505,767	3,516,685
	1927	38,013	489,875	573,506	4,298,179	6,452,824	2,154,645	3,169,610
	1925	36,250	474,827	548,377	3,996,163	5,919,606	1,923,443	3,006,074
	1923	39,271	477,079	539,711	3,730,085	5,546,406	1,816,321	2,937,531
Canned and dried fruits and vegetables, pre- serves, jellies, fruit butters, pickles, and sauces	1931	2,535	80,184	54,001	322,005	513,001	190,996	-----
	1929	2,997	98,866	74,979	462,062	750,342	288,280	224,097
	1927	2,436	80,924	62,310	355,186	572,346	217,160	189,831
	1925	2,403	85,866	67,427	358,573	616,071	230,497	187,490
	1923	2,438	72,534	57,153	298,969	515,316	216,347	175,714
Chocolate and cocoa products, not includ- ing confectionery	1931	55	5,677	6,649	50,045	87,346	37,301	-----
	1929	59	6,249	7,778	79,549	119,541	39,991	63,236
	1927	69	6,427	7,339	90,423	122,723	32,300	62,742
Coffee and spices, roasting and grind- ing ²	1931	917	8,719	9,741	195,532	271,495	75,963	-----
	1929	928	9,063	10,606	332,150	424,345	92,195	45,465
	1927	784	8,195	9,537	284,653	384,281	99,629	42,542
	1923	729	9,665	10,016	224,843	297,528	72,684	37,368

¹ Because of a change in classification, no comparable figures can be shown for earlier years.

² No data were compiled for 1929, except for San Francisco, Calif.

No. 738.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Cen- sus year	Num- ber of estab- lish- ments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufac- ture	Horse- power
In thousands of dollars								
FOOD AND KINDRED PRODUCTS—Contd								
Confectionery-----	1931	1,566	51,262	42,153	144,748	284,157	139,409	-----
	1929	2,021	63,501	56,443	215,192	393,270	178,077	112,644
	1927	1,908	63,163	56,981	218,373	391,927	173,555	110,595
	1925	1,931	63,600	55,235	205,433	379,081	173,619	100,455
	1923	2,014	63,485	54,882	202,719	366,256	163,537	91,455
Chewing gum-----	1931	35	2,147	2,464	16,824	51,340	34,516	-----
	1929	37	2,265	2,733	23,231	66,160	36,929	10,350
	1927	40	2,524	2,727	27,168	62,001	34,834	10,097
Flavoring extracts and flavoring sirups	1931	628	5,204	6,877	48,575	119,238	70,663	-----
	1929	642	5,041	7,071	55,518	129,086	73,568	33,838
	1927	500	5,011	7,134	51,091	107,219	56,129	27,963
Flour and other grain- mill products	1931	2,412	22,840	27,298	461,091	598,041	136,950	-----
	1929	4,022	27,028	35,072	868,873	1,060,269	191,397	641,456
	1927	4,035	29,882	37,559	972,711	1,148,760	176,049	641,608
	1925	4,413	31,988	39,700	1,125,379	1,298,015	172,636	669,910
	1923	5,232	35,194	41,704	885,972	1,048,578	162,606	709,856
Bread and other bakery products.	1931	17,718	183,161	239,331	505,477	1,190,048	684,571	-----
	1929	20,785	200,841	274,562	737,100	1,526,111	789,011	355,523
	1927	18,129	171,995	236,226	693,235	1,394,700	701,464	284,244
	1925	17,684	160,411	219,606	668,017	1,268,195	600,178	227,286
	1923	18,739	162,613	214,579	574,521	1,122,906	548,386	193,186
Feeds, prepared, for animals and fowls. ¹	1931	796	8,449	9,402	162,734	206,921	47,187	-----
	1929	750	10,223	12,821	327,920	402,753	74,833	170,482
	1927	447	7,632	9,708	244,676	299,793	55,117	115,855
Macaroni, spaghetti, vermicelli, and noc- dles.	1931	309	4,764	4,474	20,311	36,225	15,914	-----
	1929	353	5,072	5,384	27,336	47,074	10,738	24,448
	1927	353	4,587	5,071	27,434	45,353	17,919	21,406
Oleomargarine and other margarines, not made in meat-pack- ing establishments	1931	32	1,043	1,352	15,269	22,818	7,548	-----
	1929	41	1,534	2,264	30,890	46,522	15,632	6,670
	1927	36	1,502	2,258	27,146	39,282	12,137	8,746
Food preparations, not elsewhere classified	1931	782	8,939	9,120	90,171	147,546	57,375	-----
	1929	862	10,616	11,658	96,388	171,861	75,471	36,716
	1927	674	10,294	11,387	98,249	166,965	68,716	34,773
Corn sirup, corn sugar, corn oil, and starch	1931	43	6,652	7,963	54,034	98,723	44,690	-----
	1929	36	6,730	9,873	104,285	165,984	61,699	84,686
	1927	26	6,972	10,490	90,906	134,461	43,555	81,003
Peanuts, walnuts, and other nuts, processed.	1931	153	7,606	2,998	29,413	40,568	11,155	-----
	1929	169	7,933	3,080	39,529	49,609	10,079	16,193
	1927	144	7,376	3,287	45,890	55,950	10,059	13,956
Rice cleaning and polishing.	1931	55	1,503	1,276	31,813	40,360	8,547	-----
	1929	60	1,589	1,449	38,444	48,794	10,350	22,901
	1927	60	1,524	1,546	46,481	54,130	7,649	23,012
Shortenings (other than lard), vegetable cook- ing oils, and salad oils.	1931	50	3,692	4,011	99,841	115,302	15,461	-----
	1929	40	3,996	3,381	139,031	154,553	15,522	36,647
	1927	33	2,655	2,624	137,079	148,468	11,389	33,462
Sugar, beet-----	1931	67	6,241	7,548	62,325	85,673	23,348	-----
	1929	82	7,496	10,021	70,961	108,553	37,592	146,393
	1927	79	7,402	9,710	79,017	104,927	25,910	142,023
Sugar, cane, not in- cluding products of refineries.	1931	68	2,032	1,333	10,008	13,981	3,973	-----
	1929	70	2,319	1,642	12,223	18,326	6,103	66,779
	1927	53	971	639	5,830	8,009	2,179	45,705
Sugar refining, cane----	1931	19	11,855	15,547	335,933	395,303	59,370	-----
	1929	21	13,912	17,850	438,399	507,389	68,990	98,637
	1927	21	13,996	17,707	551,594	597,446	45,851	86,979
	1925	21	14,502	18,955	549,896	606,633	56,737	89,098
	1923	20	15,254	20,044	681,880	726,242	44,361	72,682
Malt-----	1931	27	540	866	13,920	19,242	5,322	-----
	1929	28	590	1,057	18,924	23,603	4,679	18,068
	1927	23	500	904	17,187	20,274	3,087	15,390

¹ Because of a change in classification, no comparable figures can be shown for earlier years.² Revised; revision not carried into total

No. 738.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Cen- sus year	Num- ber of estab- lish- ments	Wage earn- ers (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufac- ture	Horse- power
In thousands of dollars								
FOOD AND KINDRED PRODUCTS—Contd								
Vinegar and cider-----	1931	137	848	885	4, 249	7, 506	3, 257	-----
	1929	172	979	1, 022	6, 016	10, 450	4, 434	8, 674
	1927	158	1, 123	1, 236	5, 858	10, 755	4, 897	7, 562
Cereal preparations-----	1931	111	7, 018	9, 005	69, 427	141, 583	72, 157	-----
	1929	121	6, 488	8, 876	101, 472	175, 223	73, 752	66, 291
	1927	77	6, 028	8, 417	91, 748	155, 563	63, 815	50, 979
Beverages-----	1931	4, 250	23, 905	30, 082	76, 045	212, 567	136, 522	-----
	1929	5, 154	28, 281	38, 314	103, 026	270, 324	167, 298	149, 166
	1927	4, 769	26, 972	36, 101	95, 430	242, 694	147, 264	153, 731
	1925	4, 210	27, 384	36, 053	98, 466	237, 761	139, 295	168, 865
	1923	4, 514	29, 274	37, 689	99, 572	228, 730	129, 158	221, 292
Ice, manufactured-----	1931	4, 111	25, 217	33, 656	35, 078	192, 027	156, 949	-----
	1929	4, 110	32, 184	42, 399	39, 808	210, 952	171, 144	1, 077, 295
	1927	3, 159	22, 120	32, 611	40, 816	184, 795	143, 979	965, 406
	1925	3, 077	24, 915	35, 046	44, 725	186, 969	142, 244	923, 134
	1923	3, 097	26, 852	35, 040	46, 664	164, 662	117, 998	845, 012
TEXTILES AND THEIR PRODUCTS								
Textile-mill prod- ucts, total. ¹	1931	6, 111	886, 979	744, 568	1, 495, 283	2, 964, 558	1, 469, 275	-----
	1929	6, 974	1, 096, 163	1, 052, 971	2, 820, 993	5, 043, 171	2, 222, 178	3, 843, 398
	1927	7, 244	1, 119, 733	1, 099, 735	2, 762, 674	4, 933, 282	2, 170, 607	3, 906, 023
	1925	7, 470	1, 110, 209	1, 066, 262	3, 234, 035	5, 342, 617	2, 108, 588	3, 748, 885
	1923	7, 816	1, 164, 638	1, 122, 752	3, 213, 272	5, 527, 558	2, 314, 286	3, 556, 440
Cotton goods-----	1931	1, 140	329, 962	219, 680	404, 855	805, 792	400, 937	-----
	1929	1, 281	424, 916	324, 289	898, 029	1, 524, 177	626, 148	2, 269, 346
	1927	1, 347	467, 596	380, 910	871, 592	1, 567, 401	695, 809	2, 328, 830
	1925	1, 366	445, 184	353, 883	1, 077, 153	1, 714, 368	637, 215	2, 236, 363
	1923	1, 375	471, 503	396, 603	1, 147, 372	1, 901, 126	753, 753	2, 153, 299
Cotton small wares----	1931	174	12, 826	11, 617	19, 693	41, 991	22, 298	-----
	1929	202	15, 281	15, 449	33, 636	65, 170	31, 534	27, 308
	1927	220	14, 958	15, 333	32, 222	64, 820	32, 598	29, 205
Lace goods-----	1931	42	6, 043	6, 289	6, 123	19, 162	13, 040	-----
	1929	42	6, 854	7, 670	10, 112	29, 237	19, 125	10, 466
	1927	43	6, 482	7, 585	11, 392	27, 298	15, 906	11, 309
Knit goods-----	1931	1, 706	178, 011	149, 589	284, 053	585, 677	301, 624	-----
	1929	1, 888	208, 488	210, 714	456, 701	899, 717	443, 016	181, 879
	1927	1, 869	190, 283	188, 163	424, 099	816, 620	392, 521	177, 216
	1925	1, 987	186, 668	168, 683	453, 926	809, 960	356, 034	176, 630
	1923	2, 323	194, 244	168, 272	484, 020	848, 177	364, 167	183, 675
Silk and rayon goods--	1931	1, 211	109, 225	97, 409	212, 847	422, 772	209, 925	-----
	1929	1, 491	130, 467	137, 547	412, 181	731, 200	319, 019	220, 225
	1927	1, 648	127, 643	140, 054	445, 391	750, 124	304, 733	221, 249
	1925	1, 659	132, 509	142, 734	484, 123	808, 979	324, 857	212, 609
	1923	1, 598	125, 234	126, 849	479, 038	761, 322	282, 284	206, 020
Woolen goods-----	1931	381	42, 878	42, 999	83, 050	157, 356	74, 305	-----
	1929	460	58, 474	66, 014	165, 882	290, 939	125, 057	195, 247
	1927	471	61, 790	72, 156	172, 700	301, 309	128, 609	191, 703
	1925	503	67, 056	82, 436	219, 618	361, 524	141, 906	193, 080
	1923	513	72, 408	87, 314	201, 547	364, 288	162, 740	180, 657
Worsted goods-----	1931	240	76, 659	74, 584	195, 617	338, 887	143, 270	-----
	1929	264	88, 485	98, 138	336, 649	536, 067	199, 418	372, 536
	1927	288	92, 571	101, 666	329, 403	516, 670	187, 262	364, 422
	1925	329	98, 168	108, 835	400, 784	596, 266	195, 483	377, 215
	1923	338	122, 144	135, 671	421, 134	698, 271	277, 086	357, 808
Felt goods, wool, hair, or jute.	1931	53	4, 430	5, 072	12, 918	28, 192	15, 274	-----
	1929	54	5, 540	7, 531	26, 224	45, 466	19, 242	25, 655
	1927	50	5, 462	6, 653	23, 289	41, 895	18, 606	23, 479
Hats, wool-felt-----	1931	9	1, 543	1, 390	2, 283	5, 432	3, 149	-----
	1929	14	2, 028	2, 315	4, 678	9, 056	4, 377	2, 811
	1927	12	2, 113	2, 190	4, 490	8, 807	4, 817	2, 405
Hats, fur-felt-----	1931	138	14, 084	16, 538	29, 509	59, 616	30, 107	-----
	1929	159	16, 539	22, 503	55, 298	102, 004	46, 706	19, 894
	1927	139	15, 896	22, 855	51, 053	99, 185	48, 132	20, 517

¹ Revised, revision not carried into total² Figures for 1929 and prior years include "Flax and hemp, dressed," treated as a quasi-agricultural industry at the census for 1931.

No. 738.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Cen- sus year	Num- ber of estab- lish- ments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufac- ture	Horse- power
TEXTILES AND THEIR PRODUCTS—Contd.								
Carpets and rugs, wool, other than rag.	1931	61	22,903	24,109	38,876	88,204	49,328	65,205
	1929	67	32,623	40,014	86,651	176,915	90,264	65,828
	1927	65	32,829	42,041	85,602	166,888	81,287	65,828
Wool shoddy-----	1931	40	1,069	1,122	3,332	5,952	2,620	15,940
	1929	50	1,762	2,109	10,127	15,345	5,218	15,353
	1927	55	1,679	1,916	7,981	12,597	4,616	15,353
Wool pulling-----	1931	14	640	915	5,359	7,378	2,019	1,847
	1929	18	596	907	10,917	13,648	2,731	2,403
	1927	18	524	769	12,466	14,640	2,174	2,403
Wool scouring-----	1931	21	1,377	1,968	1,160	4,640	3,480	8,241
	1929	21	1,302	1,771	3,022	6,241	3,220	7,935
	1927	25	1,386	1,982	3,010	6,062	3,652	7,935
Cordage and twine----	1931	117	11,087	8,627	24,402	47,557	23,155	74,021
	1929	123	14,489	12,834	54,573	91,453	36,882	74,924
	1927	116	15,084	13,674	56,105	89,172	33,007	74,924
Jute goods-----	1931	20	3,785	2,881	5,824	12,791	6,967	35,079
	1929	20	4,931	4,276	11,968	21,870	9,902	36,210
	1927	23	5,358	4,987	11,802	23,186	11,384	36,210
Linen goods-----	1931	14	1,567	1,417	2,510	5,226	2,716	11,000
	1929	16	2,195	2,185	5,214	9,737	4,522	11,473
	1927	18	2,530	2,545	5,409	10,377	4,968	11,473
Mats and matting, grass and coir	1931	6	311	258	297	875	578	1,293
	1929	7	467	440	685	1,692	1,007	1,425
	1927	7	422	398	669	1,537	868	1,425
Hairecloth-----	1931	13	400	417	1,395	2,425	1,030	1,113
	1929	13	450	527	2,551	3,855	1,305	1,312
	1927	16	385	480	2,689	3,616	927	1,312
Dyeing and finishing textiles.	1931	666	67,603	76,577	161,099	322,187	161,088	304,057
	1929	732	79,327	94,245	235,712	465,821	230,108	287,212
	1927	743	73,851	91,697	210,681	406,047	195,306	252,701
	1925	697	70,749	83,983	220,078	408,515	187,837	204,128
	1923	713	63,414	72,525	199,156	366,623	167,467	204,128
Cloth sponging and refinishing.	1931	45	576	1,107	81	2,447	2,366	800
	1929	46	902	1,457	88	3,361	3,273	800
	1927	52	736	1,502	161	3,458	3,297	800
Wearing apparel made from pur- chased fabrics, total	1931	13,837	472,168	433,473	1,299,110	2,488,861	1,189,751	137,880
	1929	16,195	536,561	596,659	1,867,042	3,536,041	1,668,999	126,723
	1927	15,486	501,656	578,152	1,771,890	3,391,881	1,619,990	119,744
	1925	14,883	466,846	534,823	1,741,618	3,243,849	1,502,231	132,317
	1923	16,904	499,413	568,139	1,852,229	3,443,940	1,591,711	132,317
Clothing (except work clothing), men's youths', and boys', not elsewhere classi- fied	1931	2,945	121,964	115,041	263,675	551,416	287,741	40,325
	1929	3,691	149,868	179,769	440,505	901,104	490,599	34,351
	1927	3,562	146,099	184,613	447,245	932,182	494,937	33,207
	1925	3,491	141,511	179,045	471,501	946,274	474,773	40,250
	1923	4,024	158,173	207,252	483,927	1,016,722	532,795	40,250
Clothing, work (includ- ing sheep-lined and blanket-lined coats, but not including shirts), men's.	1931	468	33,088	20,452	51,929	88,569	36,639	11,492
	1929	511	38,201	26,647	83,552	138,450	54,888	11,218
	1927	556	40,612	29,946	85,134	147,289	62,155	11,218
Clothing, men's, but- tonholes	1931	26	222	176	34	313	279	104
	1929	32	292	314	61	574	513	132
	1927	40	412	429	98	918	820	132
Shirts-----	1931	781	57,755	33,152	81,379	166,840	85,461	17,040
	1929	863	59,830	43,428	116,678	228,322	111,643	14,616
	1927	907	57,216	42,998	129,744	241,650	111,906	13,884
	1925	840	49,864	35,674	129,754	225,963	96,209	13,884
	1923	934	51,672	37,943	139,354	241,331	101,977	14,056
Furnishing goods, men's, not elsewhere classified	1931	573	24,034	17,339	54,221	98,918	44,697	7,036
	1929	598	26,588	23,009	83,632	150,964	67,332	7,190
	1927	534	25,183	22,070	82,839	145,474	62,635	7,190
Collars, mens'-----	1931	16	2,048	1,419	2,788	6,684	3,897	1,281
	1929	15	2,952	2,263	3,630	8,740	5,110	3,131
	1927	24	3,270	2,967	5,867	13,264	7,398	3,131

* Revised; revision not carried into total.

No 738.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture	Horse-power
In thousands of dollars								
TEXTILES AND THEIR PRODUCTS—Contd								
Gloves and mittens, cloth or cloth and leather combined, made from purchased fabrics	1931 1929 1927	106 125 131	7, 101 9, 279 10, 296	3, 319 5, 914 6, 670	8, 912 19, 289 17, 392	14, 539 29, 883 30, 202	5, 627 10, 594 12, 810	----- 3, 702 4, 112
Suspenders, garters, and other elastic woven goods, made from purchased webbing.	1931 1929 1927	71 91 91	3, 257 4, 341 4, 061	2, 443 3, 971 3, 529	9, 995 17, 906 16, 260	17, 165 30, 473 26, 985	7, 170 12, 567 10, 726	----- 1, 180 983
Hats and caps, except, felt and straw, men's	1931 1929 1927	379 576 568	3, 459 5, 826 6, 300	3, 662 7, 694 9, 126	8, 173 16, 908 20, 702	16, 867 35, 901 41, 214	8, 694 18, 993 20, 512	----- 1, 796 1, 999
Clothing, women's, not elsewhere classified	1931 1929 1927 1925 1923	7, 046 8, 082 7, 588 6, 127 7, 046	173, 890 187, 500 154, 459 126, 466 133, 195	189, 187 243, 851 211, 350 175, 045 176, 446	704, 259 934, 414 809, 520 724, 299 809, 561	1, 292, 253 1, 709, 581 1, 494, 401 1, 293, 705 1, 406, 684	587, 994 775, 167 684, 881 569, 406 597, 123	----- 35, 291 30, 287 24, 316 27, 704
Corsets and allied garments.	1931 1929 1927	204 213 222	13, 977 13, 664 13, 778	11, 496 12, 446 12, 402	31, 694 36, 035 35, 394	71, 923 76, 802 77, 218	40, 229 40, 767 41, 824	----- 6, 048 7, 819
Handkerchiefs-----	1931 1929 1927	88 105 115	4, 761 6, 014 6, 659	3, 221 4, 636 5, 264	10, 255 16, 343 18, 205	18, 798 29, 554 31, 588	8, 543 13, 211 13, 883	----- 2, 409 2, 665
Millinery-----	1931 1929 1927	1, 134 1, 293 1, 148	26, 612 32, 206 33, 311	32, 565 42, 715 46, 788	71, 795 98, 080 103, 490	144, 575 195, 693 209, 495	72, 780 97, 604 106, 005	----- 10, 176 7, 920
Other articles made from purchased fabrics, total.	1931 1929 1927 1925 1923	3, 802 4, 235 4, 113 2, 097 2, 043	61, 661 75, 074 73, 027 51, 228 51, 242	60, 138 83, 402 82, 071 53, 729 52, 908	225, 593 415, 811 388, 151 374, 272 328, 941	395, 613 664, 091 625, 310 539, 689 490, 785	170, 019 248, 280 237, 159 165, 417 161, 844	----- 164, 720 140, 692 117, 893 94, 644
Awnings, tents, sails, and canvas covers	1931 1929 1927	913 1, 002 963	5, 351 7, 162 6, 543	6, 397 8, 559 8, 229	15, 106 25, 328 24, 410	31, 697 49, 238 47, 929	16, 591 23, 909 23, 520	----- 4, 995 4, 850
Bags, other than paper, not made in textile mills	1931 1929 1927	189 202 181	11, 985 11, 828 11, 164	9, 111 9, 645 9, 548	79, 173 144, 275 136, 748	104, 991 170, 176 162, 950	25, 818 25, 900 26, 201	----- 19, 159 15, 754
Belting, other than leather and rubber, not made in textile mills	1931 1929 1927	8 9 11	193 255 343	180 299 411	553 1, 328 1, 490	1, 138 2, 789 3, 212	586 1, 461 1, 722	----- 1, 648 1, 457
Embroideries-----	1931 1929 1927	732 813 1, 069	5, 561 6, 622 8, 964	6, 330 7, 868 10, 962	4, 538 6, 609 7, 960	20, 224 25, 287 32, 419	15, 687 18, 678 24, 459	----- 2, 279 2, 930
Trimmings (not made in textile mills) and stamped art goods for embroidering ¹	1931 1929	520 639	6, 212 7, 934	6, 853 9, 762	13, 824 20, 783	30, 308 45, 180	16, 485 24, 397	----- 3, 068
Horse blankets, fly nets, and related products.	1931 1929 1927	9 14 16	387 582 660	228 498 574	618 1, 471 1, 878	1, 134 2, 895 3, 379	516 1, 424 1, 501	----- 1, 375 1, 421
Flags and banners-----	1931 1929 1927	48 54 46	782 938 1, 046	639 794 898	1, 329 1, 771 2, 282	2, 754 3, 836 4, 536	1, 425 2, 065 2, 254	----- 577 700
Regalia, robes, vestments, and badges.	1931 1929 1927	81 77 76	1, 422 1, 757 1, 675	1, 444 1, 825 1, 760	2, 129 3, 227 3, 019	5, 689 7, 927 7, 691	3, 560 4, 700 4, 672	----- 1, 105 1, 015
Hat and cap materials, men's	1931 1929 1927	95 112 96	1, 935 2, 564 2, 762	2, 077 2, 876 2, 659	6, 554 17, 305 15, 672	11, 010 25, 031 23, 339	4, 456 7, 726 7, 668	----- 5, 164 5, 158
Nets (fish) and seines---	1931 1929 1927	13 19 21	572 903 869	438 769 776	1, 283 3, 789 3, 348	2, 682 6, 164 5, 401	1, 399 2, 375 2, 053	----- 1, 155 1, 165

¹ Because of a change in classification, no comparable figures can be shown for earlier years.

No. 738.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Cen- sus year	Num- ber of estab- lish- ments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufac- ture	Horse- power
TEXTILES AND THEIR PRODUCTS—Contd								
House-furnishing goods, not elsewhere classi- fied.	1931	914	14, 195	12, 047	52, 022	86, 821	34, 799	
	1929	964	15, 794	16, 150	76, 625	127, 602	50, 977	16, 866
	1927	548	11, 691	10, 947	52, 705	87, 677	34, 972	12, 997
Carpets and rugs, rag--	1931	51	1, 003	918	1, 026	3, 332	2, 306	
	1929	94	1, 529	1, 562	1, 659	5, 511	3, 832	2, 416
	1927	110	1, 633	1, 678	1, 636	5, 890	4, 254	2, 005
Linoleum-----	1931	6	2, 895	3, 595	7, 866	22, 984	15, 118	
	1929	7	5, 544	8, 560	27, 489	57, 250	29, 761	51, 647
	1927	7	5, 364	8, 177	24, 216	47, 442	23, 227	41, 432
Oilcloth-----	1931	9	1, 229	1, 811	8, 266	13, 986	5, 730	
	1929	9	1, 412	2, 144	14, 925	21, 107	8, 183	5, 017
	1927	8	1, 072	1, 746	11, 819	17, 642	5, 824	3, 565
Artificial leather-----	1931	21	1, 941	2, 477	9, 083	15, 195	6, 112	
	1929	17	2, 590	3, 956	22, 268	32, 961	10, 693	14, 650
	1927	19	2, 730	4, 007	21, 828	34, 228	12, 400	14, 467
Asphalted-felt-base floor covering.	1931	15	1, 946	2, 734	9, 151	19, 993	10, 842	
	1929	14	2, 345	3, 501	14, 279	31, 889	17, 610	11, 092
	1927	12	2, 442	3, 695	16, 186	34, 101	17, 914	8, 904
Upholstering materials, not elsewhere classi- fied	1931	46	899	810	2, 860	5, 329	2, 469	
	1929	53	1, 410	1, 317	7, 046	11, 234	4, 188	3, 915
	1927	39	1, 080	1, 162	6, 556	9, 673	3, 117	4, 452
Waste-----	1931	132	3, 153	2, 049	10, 223	16, 344	6, 120	
	1929	136	3, 905	3, 316	25, 633	36, 014	10, 381	18, 592
	1927	118	3, 494	2, 853	23, 049	33, 377	10, 328	14, 529
FOREST PRODUCTS								
Basic industries, total	1931	6, 010	225, 831	163, 833	167, 715	463, 117	295, 402	
	1929	14, 164	460, 482	437, 840	432, 337	1, 314, 763	882, 426	1, 997, 963
	1927	8, 723	453, 131	431, 496	508, 690	1, 249, 370	750, 690	1, 795, 875
	1925	10, 286	504, 711	473, 085	593, 935	1, 468, 427	874, 492	2, 064, 631
	1923	10, 671	531, 545	492, 617	584, 802	1, 534, 991	950, 188	1, 944, 962
Excelsior-----	1931	61	927	683	1, 412	2, 963	1, 671	
	1929	66	1, 241	1, 219	2, 440	5, 009	2, 569	10, 667
	1927	64	1, 272	1, 181	2, 547	4, 821	2, 274	10, 930
Lumber and timber products, not else- where classified.	1931	4, 996	196, 647	155, 870	160, 511	443, 629	283, 118	
	1929	12, 915	419, 084	421, 585	419, 603	1, 273, 472	835, 869	1, 085, 301
	1927	7, 510	413, 946	413, 362	493, 959	1, 214, 646	720, 687	1, 781, 734
	1925	9, 207	467, 090	456, 716	579, 475	1, 421, 162	841, 687	2, 049, 500
	1923	9, 393	495, 932	475, 962	573, 064	1, 494, 462	921, 396	1, 932, 091
Turpentine and rosin--	1931	953	28, 257	7, 280	5, 793	16, 506	10, 713	
	1929	1, 183	40, 157	15, 036	10, 294	36, 282	25, 988	1, 995
	1927	1, 149	37, 913	16, 953	12, 173	39, 903	27, 790	3, 211
Wood-reworking industries, total.	1931	4, 430	75, 574	78, 144	157, 063	310, 678	153, 615	
	1929	6, 081	114, 640	142, 566	337, 264	655, 345	318, 080	787, 660
	1927	5, 582	117, 905	149, 783	359, 316	672, 336	313, 020	727, 274
	1925	5, 727	132, 115	169, 154	440, 457	798, 288	357, 831	680, 399
	1923	5, 159	125, 966	156, 707	441, 284	783, 751	342, 468	575, 740
Planing-mill products (including general millwork), not made in planing mills con- nected with saw- mills.	1931	3, 453	54, 493	58, 552	125, 760	235, 681	109, 920	
	1929	4, 849	90, 134	116, 423	296, 008	553, 583	257, 575	677, 998
	1927	4, 561	96, 589	126, 140	321, 443	581, 634	260, 190	630, 674
	1925	4, 761	111, 329	146, 592	403, 227	710, 861	307, 635	567, 103
	1923	4, 215	103, 008	133, 329	401, 174	692, 784	291, 610	493, 424
Window and door screens and weather strip.	1931	207	2, 564	2, 971	5, 713	13, 539	7, 826	
	1929	280	4, 034	4, 958	10, 513	24, 452	13, 939	14, 034
	1927	214	3, 661	4, 806	9, 304	22, 643	13, 339	11, 520
Wood turned and shaped and other wooden goods, n. e. c. ³	1931	719	17, 020	14, 602	23, 907	55, 710	31, 804	
	1929	894	18, 712	18, 617	28, 420	69, 620	41, 191	88, 398
	1927	748	15, 937	16, 333	26, 064	60, 530	34, 466	77, 425
Lasts and related prod- ucts.	1931	51	1, 497	2, 020	1, 683	5, 747	4, 065	
	1929	58	1, 760	2, 569	2, 315	7, 690	5, 375	7, 230
	1927	59	1, 718	2, 504	2, 505	7, 529	5, 024	7, 655

³ Revised, revision not carried into total⁴ Owing to a change in classification data for 1931 are not strictly comparable with data for prior years.

No. 738.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Cen- sus year	Num- ber of estab- lish- ments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufac- ture	Horse- power
FOREST PRODUCTS— Continued								
Wooden-container industries, total	1931	1,490	43,277	33,056	73,825	139,016	65,192	-----
	1929	1,769	54,972	51,078	129,656	235,178	105,522	196,844
	1927	1,648	56,124	52,721	134,471	235,578	101,107	192,489
	1925	1,762	57,961	55,671	142,775	249,612	106,837	192,281
	1923	1,872	62,121	58,271	154,804	265,501	110,696	200,457
Boxes, wooden, except cigar boxes	1931	675	22,864	17,572	39,705	74,667	34,962	-----
	1929	792	30,554	29,194	74,082	135,026	60,944	137,261
	1927	748	30,797	29,250	75,797	133,909	58,195	135,637
Boxes cigar, wooden	1931	92	3,777	2,584	3,473	8,859	5,386	-----
	1929	118	4,374	3,508	5,238	12,459	7,221	5,518
	1927	136	4,677	3,925	5,621	12,909	7,288	5,478
Cooperage-----	1931	500	8,208	7,663	24,333	39,143	14,810	-----
	1929	586	10,691	11,706	41,516	64,842	23,326	33,885
	1927	528	11,455	12,937	43,821	66,947	23,126	33,553
Baskets and rattan and willow ware, not in- cluding furniture.	1931	223	8,428	5,257	6,314	16,347	10,033	-----
	1929	273	9,353	6,671	8,820	22,851	14,031	20,180
	1927	236	9,295	6,608	9,231	21,729	12,498	17,821
Furniture and related indus- tries, total ^a	1931	3,495	138,438	138,603	243,152	538,021	294,870	-----
	1929	4,184	209,019	263,629	462,676	1,036,659	573,983	547,199
	1927	3,593	203,338	258,300	426,644	969,968	543,324	488,660
	1925	3,601	195,643	244,886	418,235	951,170	532,393	434,238
	1923	3,434	182,014	222,461	372,545	851,801	479,256	509,980
Furniture, including store and office fix- tures ^a	1931	3,148	127,605	125,972	217,896	482,289	264,393	-----
	1929	3,778	193,399	242,832	426,454	948,116	521,682	503,970
	1927	3,228	188,143	238,240	392,099	885,204	493,106	455,881
	1925	3,239	181,016	225,298	384,875	868,720	483,845	402,719
	1923	3,047	168,157	204,566	342,443	776,847	434,404	344,954
Refrigerators and refrig- erator cabinets, excl of mechanical refrig- erating equipment	1931	155	7,128	8,525	20,080	40,825	20,744	-----
	1929	188	9,784	13,182	26,451	60,483	34,032	28,493
	1927	165	9,551	12,617	25,095	58,163	33,068	24,216
Billiard and pool tables, bowling alleys, and accessories	1931	32	592	613	1,396	3,761	2,366	-----
	1929	40	1,390	1,863	3,238	8,821	5,883	6,402
	1927	34	1,184	1,550	2,394	7,112	4,718	2,335
Mirror and picture frames	1931	160	3,113	3,492	3,780	11,146	7,367	-----
	1929	178	4,446	5,752	6,533	19,238	12,705	8,334
	1927	166	4,460	5,893	7,056	19,489	12,432	6,228
Other allied prod- ucts, total.	1931	746	33,673	35,065	141,957	236,913	94,957	-----
	1929	714	37,270	44,269	224,250	349,821	128,571	144,538
	1927	623	34,010	39,620	207,537	325,673	118,136	128,159
	1925	550	30,836	35,675	129,949	221,629	91,680	101,421
	1923	542	30,170	32,539	112,960	197,342	84,382	105,097
Caskets, coffins, burial cases, and other morn- ticians' goods	1931	399	11,932	14,225	28,519	69,810	41,291	-----
	1929	414	13,033	16,411	39,350	88,282	48,932	39,609
	1927	340	11,665	14,421	33,327	74,891	41,563	31,105
Cork products-----	1931	31	3,018	3,027	6,617	14,877	8,260	-----
	1929	35	3,842	4,209	12,603	23,023	10,421	14,829
	1927	27	3,185	3,560	9,395	17,369	7,974	11,083
Matches-----	1931	19	3,369	3,493	10,875	18,473	7,597	-----
	1929	21	3,760	4,118	12,526	20,351	7,825	17,997
	1927	19	3,905	4,131	11,884	24,906	13,022	17,607
Pulp goods and molded composition prod- ucts. ¹	1931	86	5,654	6,105	10,805	27,239	16,435	-----
Wood preserving-----	1931	211	9,700	8,214	85,141	106,514	21,374	-----
	1929	199	13,077	14,940	147,703	190,945	43,242	57,913
	1927	193	12,259	13,726	141,555	184,558	43,003	50,606

¹ Because of a change in classification, no comparable figures can be shown for earlier years^a Revised, revision not carried into total^b Includes "Hammocks," formerly treated as a separate industry, for all years and also includes, for 1927 and later years, sewing machine cases, formerly a part of the industry "Sewing machines, cases, and attachments."

No. 738.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Cen- sus year	Num- ber of estab- lish- ments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufac- ture	Horse- power
In thousands of dollars								
PAPER AND PAPER PRODUCTS								
Paper and pulp, total. ⁷	1931	854	107,902	126,886	495,089	851,530	356,442	-----
	1929	883	128,049	173,078	723,361	1,206,114	482,754	2,968,431
	1927	929	123,360	162,002	724,111	1,138,080	413,979	2,642,806
	1927	764	123,360	162,002	715,556	1,029,555	413,979	2,642,806
	1925	763	123,842	160,146	605,860	971,882	366,022	2,427,010
	1923	746	120,677	151,477	573,727	907,347	333,620	2,178,623
Paper ¹ -----	1931	650	87,683	104,042	384,420	684,971	300,551	-----
	1929	685	103,320	140,395	574,608	967,186	392,578	(^c)
	1927	710	98,566	130,475	572,786	919,891	347,106	(^c)
Pulp (wood and other fiber) ¹	1931	198	20,219	22,844	110,668	166,559	55,891	-----
	1929	198	24,729	32,679	148,753	238,928	90,170	(^c)
	1927	219	24,794	31,527	151,325	218,196	68,873	(^c)
Converted paper products, total. ⁵	1931	2,029	86,679	87,452	262,921	506,052	243,130	-----
	1929	2,243	103,344	114,233	369,361	686,137	316,775	198,373
	1927	2,043	101,077	110,152	358,252	647,908	289,656	170,888
	1925	1,964	97,680	102,951	313,797	574,932	261,135	147,697
	1923	1,939	98,349	98,667	305,037	549,623	244,586	134,939
Bags, paper, exclusive of those made in paper mills.	1931	95	6,836	6,423	33,427	54,291	20,864	-----
	1929	95	6,970	6,661	43,238	64,621	21,383	13,416
	1927	88	6,463	6,394	40,735	57,490	16,755	9,336
Boxes, paper, not elsewhere classified.	1931	1,214	46,722	44,085	113,251	217,872	104,621	-----
	1929	1,249	55,654	57,110	159,840	294,253	134,414	80,064
	1927	1,219	56,398	57,701	168,464	306,555	138,091	81,300
	1925	1,229	57,148	57,172	151,712	281,944	130,232	76,185
	1923	1,216	56,855	53,966	144,079	264,209	120,130	61,687
Card cutting and designing.	1931	72	2,041	2,408	6,674	15,953	9,279	-----
	1929	70	2,338	2,725	9,286	19,648	10,362	3,909
	1927	60	2,024	2,707	7,544	16,871	9,327	3,915
Cardboard, not made in paper mills.	1931	12	520	599	1,666	3,594	1,938	-----
	1929	13	609	819	2,665	5,629	2,964	1,549
	1927	9	658	849	2,868	5,581	2,713	1,779
Envelopes-----	1931	162	8,924	9,658	22,452	46,943	24,491	-----
	1929	171	10,867	11,527	29,928	61,287	31,359	13,077
	1927	163	9,745	10,755	28,973	56,006	27,033	11,391
Wall paper-----	1931	50	3,734	3,994	9,150	20,194	11,044	-----
	1929	56	4,705	5,732	13,480	30,008	16,527	12,740
	1927	53	4,811	5,981	14,612	30,059	15,447	13,343
Paper goods, not elsewhere classified	1931	424	17,902	20,285	76,311	147,205	70,894	-----
	1929	436	20,227	23,810	100,369	182,648	82,279	67,145
	1927	340	14,837	17,765	78,797	140,948	62,151	42,955
PRINTING, PUBLISHING, AND ALLIED INDUSTRIES								
Printing and publishing, total	1931	21,970	254,461	437,425	511,219	2,206,977	1,695,768	-----
	1929	24,360	281,119	506,290	660,029	2,760,196	2,100,167	544,588
	1927	22,553	262,740	474,639	664,528	2,521,208	1,856,680	482,295
	1925	21,072	252,515	440,427	612,060	2,283,304	1,671,244	409,121
	1923	20,471	247,384	400,486	587,109	2,030,615	1,443,505	358,019
Printing and publishing, book and job ⁸	1931	11,668	134,302	210,755	210,973	787,825	576,852	-----
	1929	12,712	150,649	251,677	266,749	1,008,657	739,907	211,448
	1927	11,466	142,347	241,810	258,056	920,251	667,195	194,718
	1925	10,338	134,559	221,425	230,691	820,553	589,862	170,096
	1923	10,064	130,819	202,315	221,377	747,486	526,110	153,334

¹ Because of a change in classification, no comparable figures can be shown for earlier years² Revised, revision not carried into total³ Owing to a change in classification data for 1931 are not strictly comparable with data for prior years⁷ The separation of the industry "Paper and pulp" into the "Paper" and "Pulp (wood and other fiber)" industries for 1927 resulted in counting as 2 establishments each mill which manufactured both paper and pulp and in a duplication in the statistics as combined. The figures for 1927 to 1931, are, therefore, not strictly comparable with those for earlier years. Figures in italics have been adjusted for comparison with 1925 and 1923, counting as a single unit mills manufacturing both pulp and paper.⁸ Because of the fact that in many cases a paper mill and a pulp mill are supplied with power from the same power plant, it is impossible to give separate figures for each industry.

No. 738.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Cen- sus year	Num- ber of estab- lish- ments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufac- ture	Horse- power
In thousands of dollars								
PRINTING, PUBLISH- ING, AND ALLIED INDUSTRIES—Con.								
Printing and publish- ing, music	1931	103	656	970	965	10,903	9,938	-----
	1929	124	810	1,314	1,542	15,240	13,698	956
	1927	119	994	1,678	1,658	15,882	14,223	1,343
Printing and publish- ing, newspaper and periodical	1931	10,211	119,503	225,699	299,280	1,408,248	1,108,968	-----
	1929	11,524	129,660	253,399	391,738	1,738,299	1,346,561	332,184
	1927	10,973	119,399	231,151	409,814	1,585,076	1,175,262	286,234
	1925	10,625	117,001	217,541	379,541	1,447,661	1,068,121	237,662
	1923	10,267	115,646	196,804	363,480	1,268,502	905,022	203,454
Industries allied to printing and publishing, total	1931	2,948	62,308	100,586	69,802	290,237	220,435	-----
	1929	3,162	76,869	130,081	106,454	409,944	303,489	104,853
	1927	2,875	65,863	111,544	90,509	338,652	248,143	87,233
	1925	2,754	62,749	101,991	82,517	313,567	231,050	76,966
	1923	2,643	60,609	92,420	78,545	284,703	206,158	71,948
Bookbinding and blank-book making	1931	1,050	21,216	25,356	21,392	79,780	58,888	-----
	1929	1,108	24,754	31,779	30,755	102,783	72,029	21,741
	1927	1,063	21,909	28,281	25,875	87,327	61,452	19,038
Engravers' materials---	1931	21	275	444	1,166	2,319	1,153	-----
	1929	19	313	448	1,795	3,129	1,335	1,493
	1927	17	178	294	1,289	2,169	879	864
Engraving, steel, cop- per-plate, and wood, and plate printing	1931	432	6,995	9,503	6,425	27,425	21,001	-----
	1929	483	10,272	14,813	11,947	47,901	35,954	8,560
	1927	416	8,681	12,177	10,313	39,713	29,400	6,939
Engraving (other than steel, copperplate, or wood), chasing, etch- ing, and diesinking	1931	133	1,467	2,048	1,440	5,607	4,168	-----
	1929	189	2,240	3,212	2,583	10,934	8,351	2,965
	1927	173	1,805	2,612	2,078	7,931	5,853	2,028
Photo-engraving, not done in printing es- tablishments.	1931	617	10,095	24,990	7,408	56,020	48,611	-----
	1929	654	12,353	31,831	11,003	77,382	66,379	9,349
	1927	611	11,033	28,381	10,790	69,207	58,417	9,366
Lithographing-----	1931	364	16,215	25,723	26,607	87,433	60,826	-----
	1929	376	18,979	32,022	38,992	121,014	82,022	35,471
	1927	309	16,348	27,466	32,704	97,050	64,346	28,541
Stereotyping and elec- trotyping, not done in printing establish- ments	1931	223	4,857	10,917	3,590	24,582	20,991	-----
	1929	230	6,487	13,771	6,547	35,617	29,070	21,347
	1927	197	4,502	10,273	4,677	26,549	20,872	16,888
Printing materials, not including type or printing ink	1931	90	781	1,201	1,466	5,795	4,329	-----
	1929	84	1,004	1,649	2,185	8,579	6,394	2,709
	1927	70	882	1,402	2,034	7,022	4,988	2,339
Type founding-----	1931	18	407	403	309	1,275	966	-----
	1929	19	467	556	648	2,604	1,956	1,218
	1927	19	525	658	749	2,684	1,935	1,230
CHEMICALS AND AL- LIED PRODUCTS								
Chemicals and al- lied products, other than ani- mal, vegetable, and compound- ed oils, total.	1931	6,876	216,269	252,513	1,048,825	2,399,668	1,350,843	-----
	1929	7,599	260,829	336,816	1,579,431	3,289,289	1,709,858	1,980,145
	1927	6,760	228,674	294,090	1,409,190	2,855,979	1,446,789	1,528,032
	1925	6,509	222,112	275,579	1,374,950	2,651,375	1,276,425	1,464,454
	1923	6,424	226,710	271,444	1,316,282	2,472,610	1,156,328	1,388,993
Ammunition and relat- ed products	1931	20	5,873	4,993	11,014	28,366	17,353	-----
	1929	21	7,223	8,273	19,842	43,809	23,967	17,061
	1927	20	7,602	8,266	20,945	45,602	24,657	17,175
Explosives-----	1931	78	4,733	5,572	19,519	46,258	26,739	-----
	1929	95	5,614	8,488	31,764	72,540	40,775	51,612
	1927	100	5,803	8,131	36,894	72,490	35,596	38,239
Fireworks-----	1931	37	1,350	1,097	1,406	3,722	2,317	-----
	1929	50	1,811	1,931	2,465	6,584	4,119	1,746
	1927	36	1,564	1,395	2,624	5,885	3,261	1,300

No. 738.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Cen- sus year	Num- ber of estab- lish- ments	Wage earn- ers (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufac- ture	Horse- power
In thousands of dollars								
CHEMICALS AND AL- LIED PRODUCTS— Continued								
Baking powders, yeast, and other leavening compounds	1931 1929 1927	45 48 47	2,881 3,006 3,032	4,798 4,847 4,794	20,746 22,598 24,619	47,027 52,337 55,716	26,281 29,738 31,097	42,798 42,816
Bluing.....	1931 1929 1927	20 20 20	95 105 155	94 107 151	402 469 594	1,179 1,365 1,674	777 596 1,050	169 363
Bone black, carbon black, and lamp- black	1931 1929 1927	62 77 67	1,039 1,915 1,553	1,344 2,583 2,047	5,022 9,096 6,571	9,335 20,170 14,262	4,513 11,074 7,091	11,268 8,065
Blacking, stains, and dressings.	1931 1929 1927	156 170 176	1,501 1,617 1,716	1,666 1,959 2,181	6,941 8,345 9,186	20,343 24,682 22,548	13,402 16,337 13,363	3,317 4,005
Candles.....	1931 1929 1927	23 20 17	713 781 709	711 923 761	2,481 3,251 2,959	5,396 6,686 6,351	2,915 3,436 3,392	1,971 996
Chemicals, not else- where classified *	1931 1929 1927 1925 1923	558 551 492 751 773	48,522 62,199 52,347 57,890 77,254	66,360 94,680 78,275 83,537 103,301	246,068 363,577 296,677 282,712 328,597	533,175 738,048 572,001 570,310 655,275	287,107 374,472 275,414 287,598 326,678	854,358 576,285 546,797 592,023
Cleaning and polishing preparations	1931 1929 1927	388 429 341	2,449 2,713 2,403	2,969 3,356 2,988	16,979 19,399 15,220	48,007 50,780 41,234	31,028 31,381 26,015	10,609 8,485
Drug grinding.....	1931 1929 1927	23 26 25	661 677 659	711 841 820	5,457 5,675 5,684	9,159 9,669 9,205	3,702 3,994 3,522	5,277 4,662
Druggists' preparations.	1931 1929 1927	392 429 373	9,476 10,688 10,138	10,552 12,452 11,942	32,208 43,776 40,499	109,448 124,778 110,309	77,240 81,003 69,810	19,448 15,919
Patent or proprietary medicines and com- pounds	1931 1929 1927 1925 1923	1,298 1,522 1,232 1,279 1,363	13,475 16,434 15,071 14,802 17,353	14,885 18,781 16,667 15,592 16,915	68,416 84,770 84,641 84,790 88,802	254,514 318,907 278,243 247,564 237,494	186,098 224,137 193,602 162,774 148,692	44,538 34,062 33,840 29,998
Perfumes, cosmetics, and other toilet prepa- rations.	1931 1929 1927	663 815 705	10,748 13,109 10,463	10,446 13,763 10,965	46,556 58,299 52,765	158,175 193,441 161,246	111,618 135,142 108,480	12,150 10,431
Tanning materials, natural dyestuffs, mordants and assist- ants, and sizes.	1931 1929 1927	116 126 122	1,962 2,419 2,414	2,390 3,114 2,971	15,521 25,336 23,074	26,469 39,836 35,677	10,948 14,500 12,603	22,575 29,172
Fertilizers.....	1931 1929 1927 1925 1923	599 638 621 587 573	14,551 20,926 18,612 19,644 18,572	12,146 17,884 17,650 17,743 16,365	106,481 159,801 138,143 137,808 127,980	154,350 232,511 190,385 206,773 183,089	47,869 72,710 52,242 68,965 55,108	166,984 156,274 152,193 161,774
Compressed and lique- fied gases.	1931 1929 1927	349 354 313	2,844 3,390 3,212	3,896 5,378 4,948	10,135 14,529 11,749	41,806 52,190 50,547	31,672 37,661 38,799	85,293 70,489
Glue and gelatin.....	1931 1929 1927	72 74 61	2,559 2,993 3,226	3,325 4,236 4,524	15,460 18,978 19,222	27,516 32,458 31,196	12,055 13,480 11,973	23,584 24,763
Mucilage, paste, and other adhesives, ex- cept glue and rubber cement.	1931 1929 1927	69 84 80	282 414 502	350 547 679	1,889 3,669 4,270	3,621 6,638 7,945	1,732 2,970 3,675	2,564 2,219
Grease and tallow, not including lubricating greases.	1931 1929 1927	238 297 247	4,067 5,475 5,052	5,225 7,862 7,403	17,533 40,142 38,272	29,241 61,608 56,280	11,708 21,466 18,008	41,686 34,009

* Revised; revision not carried into total

* Includes "Compressed and liquefied gases" prior to 1927 and also includes "Rayon" for 1923.

No. 738.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Cen- sus year	Num- ber of estab- lish- ments	Wage earn- ers (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufac- ture	Horse- power
CHEMICALS AND AL- LIED PRODUCTS— Continued								
Ink, printing-----	1931	171	2, 247	3, 479	14, 532	32, 188	17, 656	-----
	1929	147	2, 448	3, 957	19, 205	42, 750	23, 545	20, 300
	1927	123	2, 288	3, 665	16, 054	37, 734	21, 680	18, 901
Ink, writing-----	1931	23	347	363	1, 463	3, 535	2, 073	-----
	1929	29	416	480	1, 993	4, 595	2, 602	847
	1927	24	491	576	2, 209	5, 342	3, 133	743
Alcohol, ethyl, and dis- tilled liquors.	1931	27	997	1, 331	13, 132	21, 741	8, 608	-----
	1929	30	1, 484	2, 131	35, 046	54, 285	19, 239	13, 577
	1927	28	1, 180	1, 705	19, 310	33, 971	14, 661	7, 261
Liquors, vinous-----	1931	14	96	119	381	949	568	-----
	1929	24	186	278	609	2, 448	1, 839	1, 188
	1927	13	150	177	1, 206	2, 693	1, 487	999
Paints and varnishes--	1931	1, 039	22, 521	29, 425	193, 737	350, 726	156, 989	-----
	1929	1, 063	29, 211	42, 245	334, 132	568, 976	234, 844	180, 315
	1927	1, 006	25, 061	40, 185	307, 724	519, 010	211, 285	168, 187
	1925	923	25, 490	35, 420	293, 943	470, 736	176, 793	143, 111
	1923	826	22, 818	29, 871	248, 955	404, 134	155, 180	114, 281
Rayon and allied prod- ucts.	1931	32	38, 735	38, 231	36, 181	132, 632	96, 452	-----
	1929	29	39, 106	44, 697	33, 335	149, 546	116, 211	195, 844
	1927	19	26, 341	28, 649	25, 748	109, 888	84, 141	122, 406
Salt-----	1931	53	4, 728	5, 549	10, 864	31, 430	20, 566	-----
	1929	58	5, 458	6, 735	14, 188	37, 869	23, 681	57, 711
	1927	58	5, 961	7, 117	14, 664	34, 329	19, 665	55, 928
Soap-----	1931	248	14, 163	17, 740	121, 829	257, 719	135, 889	-----
	1929	282	14, 363	18, 995	150, 353	310, 192	129, 839	65, 856
	1927	256	13, 432	19, 716	172, 244	287, 060	114, 816	62, 025
	1925	272	15, 406	18, 526	184, 874	278, 273	93, 400	56, 697
	1923	270	17, 002	20, 776	173, 546	276, 403	102, 857	74, 820
Wood distillation and charcoal manufac- ture.	1931	63	2, 654	2, 745	6, 474	11, 440	4, 966	-----
	1929	91	4, 648	5, 293	14, 791	29, 594	14, 803	25, 509
	1927	88	4, 537	4, 739	15, 423	27, 630	12, 208	16, 833
Animal, vege- table, and com- pounded oils, total.	1931	609	15, 194	12, 207	220, 147	273, 657	53, 509	-----
	1929	679	20, 039	17, 577	391, 282	470, 116	78, 834	332, 150
	1927	781	24, 762	23, 818	393, 895	495, 913	102, 018	320, 217
	1925	773	22, 700	20, 946	455, 642	559, 856	104, 214	284, 027
	1923	773	19, 817	17, 390	386, 662	460, 951	74, 290	265, 235
Oil, cake, and meal, cottonseed.	1931	504	12, 268	8, 335	147, 165	181, 347	34, 182	-----
	1929	553	15, 825	11, 203	249, 020	298, 376	49, 356	284, 395
	1927	547	18, 434	14, 259	220, 038	276, 338	56, 300	270, 500
	1925	535	16, 215	11, 412	244, 315	295, 685	51, 369	239, 005
	1923	511	12, 745	7, 908	197, 515	226, 388	28, 873	223, 742
Oils, essential-----	1931	12	128	199	2, 707	3, 505	798	-----
	1929	22	265	326	3, 804	6, 653	2, 649	1, 894
	1927	14	169	258	3, 427	4, 642	1, 215	758
Oil, cake, and meal, linseed.	1931	28	1, 837	2, 278	50, 306	62, 883	12, 576	-----
	1929	29	2, 715	4, 098	101, 563	119, 927	18, 364	31, 191
	1927	33	2, 718	4, 325	97, 750	111, 544	13, 793	28, 273
Oils, not elsewhere classified. ¹	1931	65	961	1, 394	19, 970	25, 922	5, 952	-----
	1929	75	1, 234	1, 950	36, 896	45, 160	8, 264	14, 670
PRODUCTS OF PE- TROLEUM AND COAL								
Coke-oven products----	1931	112	14, 383	22, 134	162, 793	226, 509	63, 716	-----
	1929	153	20, 552	33, 389	281, 592	416, 348	134, 756	393, 211
	1927	171	21, 082	34, 168	286, 729	382, 013	95, 284	451, 874
	1925	237	23, 191	36, 762	277, 751	378, 634	100, 883	409, 552
	1923	262	28, 364	48, 108	354, 030	516, 923	162, 892	332, 560

¹ Because of a change in classification, no comparable figures can be shown for earlier years

No. 738.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Cen- sus year	Num- ber of estab- lish- ments	Wage earn- ers (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufac- ture	Horse- power
In thousands of dollars								
PRODUCTS OF PETROLEUM AND COAL—Continued								
Fuel briquettes-----	1931	23	301	357	3,035	4,568	1,533	-----
	1929	23	426	584	5,919	9,498	3,579	14,893
	1927	20	274	446	4,873	7,203	2,330	9,594
Gas, manufactured, il- luminating and heat- ing.	1931	638	34,523	49,442	152,580	467,751	315,172	-----
	1929	754	43,065	61,322	188,416	512,653	324,236	544,024
	1927	828	48,497	68,356	211,786	516,705	304,920	490,014
	1925	919	46,998	67,436	178,423	455,460	277,037	428,132
	1923	939	42,282	59,600	191,120	450,097	258,977	358,605
Lubricating oils and greases, not made in petroleum refineries. ¹	1931	168	2,115	2,960	22,809	41,704	18,895	-----
	1929	177	2,577	3,739	39,571	69,584	30,013	13,281
Petroleum refining-----	1931	376	68,824	107,474	1,210,517	1,524,285	313,768	-----
	1929	390	80,596	131,177	2,031,341	2,639,665	608,324	789,849
	1927	354	71,234	113,717	1,752,997	2,142,649	389,651	552,651
	1925	359	65,324	104,645	1,889,678	2,376,657	486,979	393,753
	1923	382	66,717	103,834	1,425,053	1,793,700	368,647	349,154
RUBBER PRODUCTS								
Boots and shoes, rub- ber.	1931	15	15,882	13,770	12,298	47,905	35,607	-----
	1929	22	25,659	29,945	34,396	102,538	68,141	62,603
	1927	22	26,848	32,079	43,373	124,608	81,235	68,359
Rubber tires and inner tubes.	1931	48	49,159	63,089	173,604	406,283	232,679	-----
	1929	91	83,263	127,082	429,607	770,177	340,570	463,257
	1927	109	78,256	120,064	499,221	869,688	370,467	451,724
	1925	126	81,640	120,614	559,940	925,002	365,062	403,227
	1923	160	73,963	108,623	365,165	644,194	279,029	370,551
Rubber goods, other than tires, inner tubes, and boots and shoes.	1931	390	34,218	35,738	66,965	160,077	93,112	-----
	1929	412	40,226	50,279	114,674	244,746	130,071	295,452
	1927	385	36,893	45,931	117,777	230,781	113,005	270,539
	1925	381	35,230	42,613	121,224	219,869	98,645	197,051
	1923	344	34,470	39,790	90,729	182,584	91,855	178,899
LEATHER AND ITS MANUFACTURES								
Leather: Tanned, cur- red, and finished	1931	418	42,047	49,542	172,786	271,138	98,352	-----
	1929	471	49,932	63,414	337,598	481,340	143,742	229,660
	1927	494	52,924	67,887	331,985	494,256	162,271	220,530
	1925	531	52,263	65,834	296,953	452,186	155,233	215,678
	1923	597	59,703	73,784	321,750	488,696	167,148	230,187
Finished prod- ucts of leather, total. ¹⁰	1931	3,284	230,710	212,588	493,415	918,738	425,324	-----
	1929	3,814	268,540	296,047	794,424	1,424,861	630,436	296,764
	1927	3,778	263,157	296,650	756,832	1,375,960	618,528	199,313
	1925	3,721	261,865	289,585	716,059	1,311,831	595,772	197,653
	1923	4,284	285,947	315,893	775,367	1,405,478	630,111	190,611
Belting, leather-----	1931	178	1,640	1,968	7,302	14,522	7,220	-----
	1929	207	2,602	3,550	20,680	35,632	14,952	6,826
	1927	173	2,164	2,925	16,185	27,266	11,080	6,728
Boots and shoes, other than rubber.	1931	1,156	181,374	163,271	337,627	653,880	316,252	-----
	1929	1,341	205,640	222,408	515,055	965,923	450,867	140,329
	1927	1,357	203,110	225,090	494,553	944,714	450,161	138,706
	1925	1,460	206,992	225,788	481,632	925,383	443,751	139,569
	1923	1,606	225,216	250,346	527,457	1,000,078	472,621	128,550
Boot and shoe cut stock, not made in boot and shoe fac- tories.	1931	191	8,584	8,148	64,132	79,784	15,602	-----
	1929	210	9,499	10,320	107,546	133,448	25,902	15,828
	1927	201	8,611	9,354	97,966	121,022	23,056	13,718
Boot and shoe findings, not made in boot and shoe factories	1931	361	9,088	8,264	18,142	37,366	19,225	-----
	1929	382	10,376	11,058	31,964	58,625	26,661	20,259
	1927	379	9,950	11,202	31,862	57,433	25,571	18,021

¹ Because of a change in classification, no comparable figures can be shown for earlier years.² Revised; revision not carried into total.¹⁰ Figures for 1929 and prior years revised to include data for "Whips," formerly a separate classification in the "Miscellaneous" group, but abandoned for 1931 and combined with "Saddlery and harness" under the title "Saddlery, harness, and whips," in the Leather group.

No. 738.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Cen- sus year	Num- ber of estab- lish- ments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufac- ture	Horse- power
LEATHER, ETC.— Continued								
Gloves and mittens, leather	1931	227	7,884	7,554	13,136	28,024	14,887	-----
	1929	257	9,203	9,204	20,206	39,123	18,917	3,498
	1927	232	9,106	8,814	19,276	36,662	17,386	2,603
Pocketbooks, purses, and cardcases.	1931	260	8,747	9,793	22,601	43,147	20,546	-----
	1929	290	10,430	15,229	35,352	68,628	33,276	1,828
	1927	257	8,570	13,170	29,619	57,345	27,726	1,725
Saddlery, harness, and whips.	1931	185	1,974	1,926	5,268	9,339	4,071	-----
	1929	268	3,396	3,761	13,914	23,563	9,648	4,780
	1927	271	4,113	4,631	16,702	27,667	10,965	5,160
Trunks, suitcases, and bags.	1931	371	6,198	6,343	13,232	26,715	13,483	-----
	1929	467	11,359	13,757	31,694	63,969	32,275	10,220
	1927	495	10,345	13,085	29,128	59,959	30,830	9,001
Leather goods, not else- where classified	1931	355	5,221	5,321	11,974	26,012	14,038	-----
	1929	392	6,035	6,760	18,013	35,951	17,938	3,196
	1927	413	7,188	8,379	21,540	43,292	21,752	3,651
STONE, CLAY, AND GLASS PRODUCTS								
Industries using stone as a ma- terial, total.	1931	3,762	84,787	107,105	165,666	463,441	297,774	-----
	1929	5,146	116,411	171,790	268,246	751,210	482,965	1,856,952
	1927	5,156	126,569	187,879	303,632	787,843	484,211	1,672,639
	1925	4,852	123,699	178,644	300,793	779,031	478,238	1,365,906
	1923	4,621	118,560	167,466	273,368	697,461	424,092	1,071,210
Concrete products-----	1931	1,432	9,253	10,728	22,373	53,192	30,819	-----
	1929	2,438	16,505	22,688	34,035	92,901	58,866	67,651
	1927	2,330	17,808	24,898	33,913	93,259	59,346	54,342
Marble, granite, slate, and other stone prod- ucts	1931	1,588	27,700	41,651	34,405	119,395	84,990	-----
	1929	1,881	37,817	63,041	57,638	192,164	134,526	305,915
	1927	1,978	40,474	68,491	66,328	201,181	134,853	295,174
Lime-----	1931	203	6,706	6,012	8,896	22,200	13,304	-----
	1929	237	8,554	9,476	13,908	35,816	21,908	90,276
	1927	260	10,903	12,191	17,269	41,587	24,318	84,195
Cement-----	1931	164	24,317	29,884	56,098	148,845	92,747	-----
	1929	174	33,368	48,849	95,242	267,509	172,267	1,183,989
	1927	161	36,322	53,111	120,012	293,565	173,553	1,069,390
	1925	145	38,437	53,912	114,169	300,895	186,726	871,650
	1923	133	35,091	49,708	100,767	264,098	163,332	642,840
Wall plaster, wall- board, insulating board, and floor com- position.	1931	204	5,866	6,482	17,869	51,720	33,852	-----
	1929	236	7,462	10,080	28,313	70,663	42,350	142,354
	1927	221	10,014	14,412	31,998	83,856	51,858	116,230
Abrasive wheels, stones, paper, and related products ¹	1931	73	4,614	5,540	11,727	31,647	19,919	-----
Asbestos products, other than steam packing or pipe and boiler covering.	1931	67	6,009	6,452	13,837	35,174	21,337	-----
	1929	67	8,092	10,777	25,408	56,164	30,756	40,458
	1927	62	6,337	8,376	21,518	44,156	22,639	26,525
Sand-lime brick-----	1931	31	322	357	461	1,268	806	-----
	1929	40	566	776	945	2,971	2,026	7,346
	1927	45	790	1,051	1,158	3,616	2,458	8,598
Industries using clay and other earths as ma- terials, total.	1931	1,807	80,969	75,223	59,977	209,286	149,309	-----
	1929	2,370	133,668	158,476	122,823	441,270	318,447	641,300
	1927	2,598	148,850	182,466	156,264	488,559	332,295	707,248
	1925	2,688	150,953	189,012	155,937	502,770	346,833	700,775
	1923	2,734	151,176	185,282	155,094	497,812	342,778	613,862

¹ Because of a change in classification, no comparable figures can be shown for earlier years.

No. 738.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Cen- sus year	Num- ber of estab- lish- ments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufac- ture	Horse- power
In thousands of dollars								
STONE, CLAY, ETC.—Continued								
Clay products (other than pottery) and nonclay refractories. ¹¹	1931	1,264	51,128	44,368	36,969	127,336	90,367	-----
	1929	1,760	93,657	107,348	82,734	297,879	215,145	535,597
	1927	1,857	101,230	122,311	100,642	321,890	221,248	531,269
	1925	1,950	103,061	127,508	100,768	335,822	235,054	518,680
	1923	1,996	103,239	124,400	104,544	336,884	232,340	482,223
Pottery, including porcelain ware.	1931	275	27,023	26,981	16,393	65,866	49,473	-----
	1929	313	35,409	43,656	27,007	110,622	83,615	61,808
	1927	316	36,667	45,150	33,581	110,597	77,017	54,879
China firing and decorating, not done in potteries.	1931	21	220	236	551	1,128	577	-----
	1929	27	317	420	640	1,554	914	53
	1927	31	366	428	682	1,692	1,010	43
Graphite, ground and refined.	1931	9	183	183	976	1,962	986	-----
	1929	11	494	627	1,458	3,780	2,302	3,156
	1927	13	289	341	1,319	2,932	1,612	3,011
Minerals and earths, ground or otherwise treated. ¹	1931	88	1,090	1,127	3,817	7,295	3,478	-----
	1929	88	1,679	2,188	8,938	17,409	8,471	39,117
Statuary and art goods (except concrete), factory production	1931	150	1,325	2,328	1,271	5,700	4,429	-----
	1929	171	2,112	4,236	2,045	10,045	8,000	1,539
	1927	136	2,028	4,404	2,415	10,187	7,772	1,137
Glass and man- ufactures of glass, total.	1931	839	57,100	66,531	90,824	252,592	161,767	-----
	1929	998	78,338	102,552	135,272	308,934	223,693	356,150
	1927	919	74,598	93,928	134,879	336,147	201,268	329,244
	1925	938	78,384	99,356	146,697	358,851	212,154	281,476
	1923	962	81,956	100,819	145,070	367,848	222,778	250,982
Glass-----	1931	229	49,917	57,882	73,575	216,265	142,690	-----
	1929	263	67,527	87,795	103,204	303,819	200,525	341,979
	1927	269	65,825	81,353	109,911	282,394	172,483	318,298
	1925	310	69,371	86,736	113,652	295,959	182,307	271,639
	1923	333	73,335	89,898	113,170	309,353	196,183	240,528
Mirrors and other glass products made of purchased glass	1931	610	7,183	8,650	17,250	36,327	19,077	-----
	1929	735	10,811	14,757	31,978	65,116	33,138	14,171
	1927	650	8,773	12,575	24,967	53,753	28,785	10,046
IRON AND STEEL AND THEIR PRODUCTS, NOT INCLUDING M A-CHINERY								
Crude iron and steel and rolled products, total.	1931	526	278,206	357,645	1,091,015	1,714,214	623,199	-----
	1929	591	419,534	730,974	2,514,377	4,137,214	1,622,637	7,532,530
	1927	602	389,270	645,534	2,269,210	3,488,744	1,210,534	6,781,038
	1925	595	399,014	660,297	2,429,378	3,711,354	1,281,976	6,143,927
	1923	658	424,913	696,760	2,872,023	4,161,938	1,289,910	5,999,941
Blast-furnace prod- ucts.	1931	80	13,572	19,259	259,132	311,371	52,240	-----
	1929	105	24,960	41,959	610,294	771,425	161,132	(19)
	1927	116	27,958	44,268	579,555	708,904	129,349	(19)
	1925	122	29,188	45,312	617,417	765,285	147,869	1,380,394
	1923	169	36,712	58,935	827,630	1,007,613	179,964	1,686,419
Steel works and rolling-mill products	1931	446	264,634	338,387	831,884	1,402,843	570,959	-----
	1929	486	394,574	689,016	1,904,083	3,365,789	1,461,706	17,532,530
	1927	486	361,312	601,275	1,689,655	2,779,840	1,090,185	12,761,058
	1925	473	370,726	614,965	1,811,961	2,946,068	1,134,107	4,763,533
	1923	489	388,201	637,825	2,044,398	3,154,325	1,109,926	4,313,522

¹ Because of a change in classification, no comparable figures can be shown for earlier years¹¹ Figures for 1929 and prior years revised to include "Crucibles," abandoned as a separate industry classification for 1931.¹² Not reported separately; included with "Steel-works and rolling-mill products."¹³ Combined total for "Blast-furnace products" and "Steel-works and rolling-mill products."

No. 738.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Cen- sus year	Num- ber of estab- lish- ments	Wage earn- ers (average for the year)	Wages	Cost of materials fuel, and purchased electric energy	Value of products	Value added by manufac- ture	Horse- power
In thousands of dollars								
IRON AND STEEL, ETC.—Continued								
Other iron and steel products, total ¹⁴	1931	5,439	319,747	347,480	715,355	1,563,191	847,837	-----
	1929	6,049	461,348	650,013	1,348,497	3,000,714	1,652,217	1,668,262
	1927	5,738	445,697	618,278	1,275,405	2,708,850	1,433,445	1,541,672
	1925	5,468	450,869	623,544	1,304,707	2,747,327	1,442,621	1,374,799
	1923	5,695	467,272	627,412	1,280,713	2,665,732	1,385,019	1,259,068
Bolts, nuts, washers, and rivets, not made in rolling mills ¹⁵	1931	116	10,518	10,177	16,872	39,483	22,611	-----
	1929	117	16,175	22,116	44,212	102,392	58,180	66,343
	1927	115	13,614	17,324	38,302	75,876	37,574	57,403
Cast-iron pipe and fit- tings	1931	78	16,066	14,559	20,977	47,938	26,960	-----
	1929	72	19,741	22,552	34,289	80,261	45,971	69,757
	1927	82	22,892	25,982	48,225	95,089	46,864	63,196
Doors, shutters, and window sash and frames, molding, and trim, metal.	1931	139	6,816	8,898	14,572	35,608	21,036	-----
	1929	148	9,557	17,065	30,178	72,160	41,982	25,027
	1927	117	8,050	15,564	25,602	65,280	39,678	20,626
Forgings, iron and steel, not made in plants operated in connection with steel works or rolling mills ¹⁵	1931	202	9,971	11,444	22,657	47,700	25,043	-----
	1929	218	20,882	34,505	71,607	156,249	84,642	147,491
	1927	219	16,594	23,540	52,102	105,036	52,934	127,975
Nails, spikes, etc., not made in wire mills or in plants operated in connection with roll- ing mills ¹⁵	1931	46	1,570	1,670	2,982	6,828	3,846	-----
	1929	55	2,027	2,553	5,956	12,855	6,899	9,096
	1927	56	2,100	2,670	5,157	11,753	6,597	8,073
Springs, steel, except wire, not made in plants operated in connection with roll- ing mills ¹⁵	1931	98	2,938	3,634	7,541	15,158	7,617	-----
	1929	85	5,842	9,314	25,372	46,672	21,300	24,318
	1927	94	5,753	8,913	24,599	43,821	19,222	22,263
Steel barrels, kegs, and drums	1931	52	3,253	3,513	12,990	21,644	8,654	-----
	1929	53	4,110	5,769	21,947	37,825	15,878	15,289
	1927	39	2,553	3,986	14,736	24,105	9,369	11,229
Structural and orna- mental metal work, not made in plants operated in connec- tion with rolling mills ¹⁵	1931	1,302	37,510	47,875	131,649	238,033	106,384	-----
	1929	1,482	54,947	87,786	244,696	477,037	232,341	266,175
	1927	1,284	52,392	84,578	243,446	440,376	196,930	251,670
	1925	1,136	48,341	77,411	237,653	420,998	183,345	211,732
	1923	1,056	51,691	80,833	225,487	406,117	180,630	205,518
Wrought pipe, welded and heavy riveted, not made in plants operated in connec- tion with rolling mills ¹⁵	1931	51	8,045	9,890	42,291	75,041	32,749	-----
	1929	50	11,417	18,762	70,121	124,659	54,538	68,630
	1927	44	11,083	16,066	55,779	98,186	42,407	53,938
Firearms-----	1931	24	4,264	4,711	2,501	10,611	8,110	-----
	1929	21	6,838	9,210	4,117	21,970	17,853	15,427
	1927	20	6,130	7,934	5,048	19,452	14,405	15,747
Galvanizing and other coating, not done in plants operated in connection with roll- ing mills ¹⁵	1931	60	1,011	1,170	1,669	4,060	2,391	-----
	1929	65	1,125	1,564	3,939	7,667	3,727	2,266
	1927	59	953	1,449	3,722	6,951	3,228	2,657
Hardware, not else- where classified.	1931	451	36,118	37,269	38,318	115,900	77,582	-----
	1929	485	52,306	67,702	76,480	229,478	152,997	112,705
	1927	485	47,834	60,827	71,877	208,254	136,377	99,674
	1925	476	52,349	65,562	77,503	225,053	147,550	98,278
	1923	473	52,205	63,471	80,598	215,960	135,362	84,006

³ Revised; revision not carried into total.¹⁴ Figures for 1929 and prior years include "Iron and steel, processed," abandoned as a separate classification for 1931 and for that year included with "Foundry and machine-shop products, not elsewhere classified," in the machinery group.¹⁵ Similar products are manufactured to a considerable extent by departments of "Steelworks and rolling-mill products" industry. The figures here given refer only to establishments engaged primarily in the manufacture of the specified classes of products.

No. 738.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Cen- sus year	Num- ber of estab- lish- ments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufac- ture	Horse- power
In thousands of dollars								
IRON AND STEEL, ETC.—Continued								
Plumbers' supplies, not including pipe or vit- reous-china sanitary ware.	1931	238	19,688	20,440	26,003	70,936	44,933	-----
	1929	255	27,960	37,067	49,033	129,674	80,641	100,821
	1927	231	29,245	40,212	55,633	145,262	89,629	90,253
Safes and vaults-----	1931	25	2,044	2,176	4,073	11,607	7,534	-----
	1929	27	3,033	4,439	6,392	19,362	12,970	10,806
	1927	25	3,386	4,494	7,226	18,440	11,213	9,688
Screw-machine prod- ucts and woodscrews.	1931	275	12,047	13,478	16,142	43,698	27,556	-----
	1929	273	19,851	26,987	39,465	105,975	66,512	64,840
	1927	218	13,690	18,055	25,910	60,020	34,110	43,468
Steam and hot-water heating apparatus and steam fittings.	1931	238	28,996	29,558	29,704	102,501	72,797	-----
	1929	240	39,621	58,975	72,708	228,310	155,602	137,339
	1927	232	42,893	64,851	76,835	228,158	148,323	132,723
	1925	225	43,260	63,979	77,367	228,630	151,573	109,313
	1923	236	44,141	64,807	83,297	221,954	138,657	91,085
Stoves and ranges (other than electric), and warm-air fur- naces.	1931	589	32,580	35,275	61,833	169,106	107,273	-----
	1929	609	46,616	65,147	100,747	271,747	171,000	113,100
	1927	564	45,180	64,327	93,096	238,286	165,190	100,009
	1925	564	46,514	66,299	95,873	264,303	168,430	94,126
	1923	588	49,812	68,331	102,568	268,262	165,094	87,664
Tin cans and other tin- ware, not elsewhere classified ^{1a}	1931	199	25,271	27,978	149,121	223,634	74,513	-----
	1929	232	31,497	38,173	194,987	296,901	101,915	77,352
	1927	236	29,721	35,001	169,421	253,479	84,057	64,005
	1925	221	29,901	34,392	175,779	260,360	84,581	48,728
	1923	241	30,511	32,816	135,980	215,971	79,991	41,252
Tools and cutlery Cutlery (not includ- ing silver and plated cutlery) and edge tools	1931	221	12,485	12,194	8,983	52,337	43,354	-----
	1929	239	14,991	17,651	14,789	78,661	63,872	49,886
	1927	230	15,832	18,892	18,180	76,688	58,508	43,419
Files-----	1931	26	3,016	2,719	1,221	7,316	6,095	-----
	1929	33	3,974	5,240	3,053	14,114	11,062	12,091
	1927	36	3,948	5,145	3,136	12,974	9,838	10,979
Saws-----	1931	76	3,005	3,084	4,035	11,872	7,537	-----
	1929	81	4,137	5,727	6,884	22,615	16,731	11,804
	1927	77	4,182	5,754	7,674	22,628	14,954	14,526
Tools, not including edge tools, machine tools, files, or saws.	1931	355	10,833	11,209	13,725	42,417	28,692	-----
	1929	534	19,305	25,808	32,111	99,462	67,352	65,965
	1927	405	16,447	20,941	28,065	76,007	48,549	57,024
Wire, drawn from rods.	1931	82	14,476	17,179	45,187	83,370	38,183	-----
	1929	81	22,467	35,110	126,182	213,997	87,815	160,620
	1927	73	19,866	30,038	128,002	190,710	62,617	152,574
	1925	68	18,544	26,928	127,251	184,463	57,212	138,115
	1923	64	21,310	29,862	133,883	196,364	62,451	123,923
Wirework, not else- where classified.	1931	494	17,226	17,382	40,304	86,694	46,386	-----
	1929	547	22,388	27,912	68,144	146,805	78,661	48,864
	1927	512	21,697	26,439	63,063	128,536	65,443	45,858
NON FERROUS METALS AND THEIR PRODUCTS								
Smelting and re- fining, total.	1931	237	21,906	27,064	401,151	484,682	83,530	-----
	1929	250	36,046	56,447	1,344,040	1,519,642	175,601	618,485
	1927	228	34,087	50,515	935,014	1,086,153	151,138	481,441
	1925	238	37,194	54,793	1,070,193	1,244,506	174,313	479,412
	1923	205	37,634	55,095	924,228	1,060,440	136,213	460,321
Primary, total-----	1931	76	18,477	22,716	335,713	408,589	72,876	-----
	1929	75	30,981	49,239	1,199,025	1,345,800	146,775	506,081
	1927	69	30,510	44,800	807,242	942,735	135,493	465,164
	1925	71	32,992	47,948	912,064	1,067,125	155,061	455,496
	1923	88	35,146	51,510	830,090	952,734	122,644	446,047
Copper-----	1931	27	8,642	10,708	226,520	269,384	42,864	-----
	1929	26	14,544	23,952	994,784	920,351	74,432	412,244
	1927	26	13,624	20,532	527,764	609,536	81,535	323,799
	1925	26	15,558	22,642	573,190	665,177	91,986	321,909
	1923	29	16,777	25,459	554,100	625,433	71,333	332,943

³ Revised, revision not carried into total^{1a} "Tin plate and terneplate" is treated as part of the "Steel-works and rolling-mill products" industry.

No. 738.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Cen- sus year	Num- ber of estab- lish- ments	Wage earn- ers (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufac- ture	Horse- power
In thousands of dollars								
NONFERROUS MET- ALS, ETC.—Contd								
Lead-----	1931	16	2,584	3,569	78,745	90,726	11,982	-----
	1929	19	4,819	7,677	203,914	232,115	28,201	59,936
	1927	18	5,398	7,690	202,850	225,138	22,279	48,298
	1925	17	6,115	9,002	254,881	283,043	28,162	47,219
	1923	20	6,194	8,768	207,315	227,735	20,421	42,377
Zinc-----	1931	33	7,251	8,439	30,449	48,479	18,030	-----
	1929	30	11,618	17,710	74,760	118,901	44,141	123,901
	1927	25	11,188	16,528	76,610	108,298	31,679	93,067
Secondary, total....	1931	161	3,429	4,348	65,438	76,093	10,655	-----
	1929	175	5,065	7,208	145,015	173,842	28,827	22,404
	1927	159	3,577	5,715	127,772	143,418	15,646	16,277
Gold, silver, and platini- um, refining and al- loying	1931	63	803	1,186	36,893	41,398	4,505	-----
	1929	69	931	1,634	61,570	67,959	6,389	4,230
	1927	57	801	1,435	58,877	62,647	3,770	4,288
Nonferrous metals other than gold, silver, and platinum, not from the ore.	1931	98	2,626	3,162	28,546	34,695	6,150	-----
	1929	106	4,134	5,574	83,445	105,883	22,438	18,174
	1927	102	2,776	4,280	68,894	80,771	11,876	11,989
Metals and manu- factures of metals, total	1931	6,073	186,949	213,113	461,036	964,580	503,544	-----
	1929	7,272	278,695	387,019	1,121,404	2,077,416	956,012	951,732
	1927	6,533	238,580	332,670	848,199	1,590,955	742,755	744,970
	1925	6,768	239,422	327,859	878,245	1,595,045	716,800	678,128
	1923	7,296	260,164	339,984	843,410	1,576,720	733,310	710,871
Aluminum manu- factures.	1931	138	13,803	16,106	41,605	76,300	34,695	-----
	1929	150	21,210	29,693	94,036	153,457	59,421	107,846
	1927	139	14,798	20,892	79,839	123,557	43,719	71,907
Clocks, watches, time- recording devices, and materials and parts ¹⁷	1931	75	16,213	15,686	12,880	45,563	32,683	-----
	1929	81	21,450	25,750	21,388	77,467	56,079	22,794
	1927	80	22,472	27,248	16,250	71,783	55,534	19,077
Collapsible tubes-----	1931	17	1,737	1,634	4,142	7,634	3,492	-----
	1929	17	1,821	1,782	5,386	8,913	3,527	2,272
	1927	17	1,984	1,918	7,104	11,351	4,247	2,849
Watchcases-----	1931	31	1,669	1,767	1,861	4,219	2,858	-----
	1929	40	3,404	4,626	4,631	18,491	8,860	5,681
	1927	40	3,360	4,326	5,311	13,725	8,414	4,121
Sheet-metal work, not specifically classified	1931	1,762	19,365	25,158	56,342	116,443	60,101	-----
	1929	2,161	28,693	43,255	112,648	222,485	109,837	53,749
	1927	1,981	24,627	38,668	98,386	191,129	92,743	35,880
	1925	2,107	24,996	37,825	84,080	175,043	90,963	35,273
	1923	2,524	28,852	42,446	93,507	188,908	95,401	34,243
Fire extinguishers, chemical	1931	25	571	617	1,796	4,453	2,656	-----
	1929	28	740	959	4,188	8,566	4,379	1,464
	1927	26	832	1,192	4,010	8,035	4,025	1,564
Stamped ware, ena- meled ware, and metal stampings, ena- meling, japanning, and lacquering	1931	566	28,378	30,662	53,618	122,696	69,078	-----
	1929	582	40,000	50,092	87,639	204,306	116,667	98,184
	1927	476	30,853	38,172	68,880	150,936	82,056	73,619
	1925	465	31,254	38,277	79,737	160,992	81,255	68,121
	1923	412	36,552	44,348	86,340	176,371	90,031	71,053
Lighting equipment ¹⁸ ...	1931	523	14,790	18,150	30,312	75,050	44,738	-----
	1929	614	23,580	33,269	57,918	144,966	87,047	40,209
	1927	481	21,030	29,261	55,609	127,802	72,194	31,291
Needles, pins, hooks and eyes, and snap fasteners	1931	46	5,354	5,667	4,842	20,342	15,500	-----
	1929	43	6,242	6,566	6,188	22,031	15,843	6,694
	1927	45	6,606	6,098	5,923	20,325	14,402	7,250
Nonferrous-metal al- loys, nonferrous metal products, ex- cept aluminum, not elsewhere classified	1931	1,056	48,913	55,109	195,338	331,439	136,101	-----
	1929	1,225	79,183	116,944	600,411	909,804	309,393	506,273
	1927	1,197	65,923	95,351	378,190	581,669	203,379	411,925
	1925	1,140	65,135	93,820	401,316	593,556	192,240	369,239
	1923	1,156	67,289	92,249	381,935	573,044	191,108	314,757
Gold leaf and foil-----	1931	48	865	631	1,015	2,217	1,202	-----
	1929	75	1,177	1,134	1,933	3,978	2,045	383
	1927	77	1,146	1,120	1,721	3,571	1,850	346
Tin and other foils, not including gold foil.	1931	8	1,218	998	7,383	12,226	4,843	-----
	1929	7	1,710	1,856	13,548	20,955	7,406	18,642
	1927	10	1,658	2,084	15,350	20,952	5,602	18,770

³ Revised; revision not carried into total.¹⁷ Not including watchcases.¹⁸ Formerly "Gas and electric fixtures, lamps, lanterns, and reflectors."

No. 738.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Cen- sus year	Num- ber of estab- lish- ments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufac- ture	Horse- power
In thousands of dollars								
NONFERROUS MET- ALS, ETC.—Contd.								
Jewelry ¹⁹ -----	1931	1,052	10,724	20,231	28,684	75,123	46,438	-----
	1929	1,436	25,287	55,465	66,506	155,544	89,037	-----
	1929	1,536	27,922	37,980	79,805	177,387	97,582	27,402
	1927	1,367	24,116	36,766	76,915	164,865	87,950	17,070
Jewelers' findings and materials ¹⁹	1931	99	1,899	2,343	7,121	11,976	4,855	-----
Silverware and plated ware	1931	163	11,077	12,713	11,792	45,815	34,022	-----
	1929	179	15,735	22,578	26,886	85,982	58,907	39,224
	1927	178	10,719	23,945	31,377	87,424	56,047	25,211
Electroplating-----	1931	464	4,107	5,642	2,802	13,084	10,282	-----
	1929	534	5,928	9,537	4,799	23,728	18,929	24,015
	1927	419	3,556	5,629	3,335	13,930	10,595	14,000
MACHINERY, EXCEPT TRANSPORTATION EQUIPMENT								
Agricultural imple- ments.	1931	219	17,529	19,106	32,244	84,288	52,044	-----
	1929	293	41,663	58,942	113,969	277,854	163,885	128,499
	1927	277	33,340	46,415	85,668	202,732	117,066	117,966
	1925	303	28,696	37,388	73,850	169,468	95,618	115,323
	1923	312	30,962	40,511	63,492	151,286	87,794	121,975
Cash registers, and add- ing, calculating, and card tabulating ma- chines.	1931	41	12,176	14,982	5,269	56,474	51,205	-----
	1929	46	16,840	29,746	10,766	110,001	99,235	28,257
	1927	41	14,372	21,756	11,132	106,845	93,713	21,954
Electrical machinery, apparatus, and sup- plies. ²⁰	1931	1,379	180,106	204,488	337,125	995,010	657,886	-----
	1929	1,567	214,734	237,753	423,511	1,179,408	755,897	-----
	1929	1,802	328,722	456,378	971,018	2,300,916	1,329,898	893,519
	1927	1,777	241,566	336,239	645,762	1,637,307	991,545	661,168
	1925	1,739	239,921	323,835	636,662	1,540,002	903,510	589,598
	1923	1,671	234,892	305,455	548,627	1,293,002	744,375	490,268
Engines, turbines, trac- tors, water wheels, and windmills.	1931	204	34,130	39,232	82,515	193,963	111,448	-----
	1929	214	62,702	100,850	206,472	465,858	259,386	291,570
	1927	231	55,696	86,672	168,436	375,393	206,956	245,396
	1925	235	52,490	75,415	149,159	321,672	172,413	227,572
	1923	265	49,596	72,309	127,135	273,309	146,174	167,809
Foundry and machine- shop products, not elsewhere classified. ^{21 22}	1931	7,221	284,909	328,459	452,551	1,266,619	814,006	-----
	1929	8,605	454,441	697,509	1,038,066	2,791,462	1,753,396	1,804,886
	1927	8,085	398,672	590,924	878,771	2,288,651	1,380,882	1,550,240
	1927	8,380	403,939	601,023	883,652	2,291,543	1,407,891	1,561,934
	1925	8,203	403,832	600,022	894,406	2,264,376	1,369,970	1,446,458
	1923	8,531	448,777	642,431	936,231	2,337,073	1,400,842	1,234,326
Machine-tool accesso- ries and machinists' precision tools and instruments ¹	1931	718	17,533	26,559	16,320	60,033	52,713	-----
	1929	722	26,682	51,085	26,993	144,411	117,418	64,398
Machine tools ²¹ -----	1931	279	21,262	25,150	21,901	81,287	59,386	-----
	1929	280	47,391	76,410	64,284	244,578	180,294	141,778
	1927	288	32,383	47,403	43,151	145,855	102,703	125,426
	1927	355	35,269	52,366	46,115	159,513	113,898	131,670
	1925	329	30,831	46,711	43,826	144,202	100,376	118,819
	1923	350	33,373	47,337	40,977	137,206	96,229	109,196
Meters (gas, water, etc. and gas generators.)	1931	70	4,954	5,756	7,217	23,050	15,833	-----
	1929	72	6,101	8,932	15,187	40,623	25,436	11,029
	1927	58	5,915	8,792	15,591	36,715	21,124	10,427
Pumps (hand and power) and pumping equipment.	1931	303	15,156	17,107	33,735	84,353	50,619	-----
	1929	322	23,106	34,920	66,802	164,009	97,207	82,403
	1927	278	18,671	27,119	52,765	130,591	77,826	64,763

¹ Because of a change in classification, no comparable figures can be shown for earlier years.

¹⁹ Establishments classified in the "Jewelers' findings and materials" industry for 1931 were, for the most part, classified in the "Jewelry" industry in prior years, figures for the latter industry for 1931 are, therefore, not strictly comparable with those for prior years. Figures shown in italics have been adjusted for comparison with those for 1931.

²⁰ Prior to 1931 this industry covered radio apparatus and tubes included for 1931 in a new classification, "Radio apparatus and phonographs." Figures for 1931 are, therefore, not comparable with those for prior years, figures shown in italics have been adjusted for comparison with those for prior years.

²¹ For 1929 and 1931 certain establishments, formerly classified in this industry were included in a new industry classification "Machine-tool accessories and machinists' precision tools and instruments." Figures for 1929 and 1931 are, therefore, not strictly comparable with those for prior years. Figures in italics have been adjusted for comparison with those for later years.

²² Includes for 1931 "Iron and steel, processed," formerly treated as a separate industry in the "Iron and steel" group. Figures for prior years have not been revised to include such data.

No. 738.—MANUFACTURES SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Cen- sus year	Num- ber of estab- lish- ments	Wage earn- ers (aver- age for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufac- ture	Horse- power
In thousands of dollars								
MACHINERY, ETC. — Continued								
Radio apparatus and phonographs ²³	1931	217	36,490	35,146	88,403	193,143	104,740	-----
Refrigerators, mechan- ical	1931	36	15,624	20,146	61,670	144,151	82,481	-----
	1929	34	16,883	26,196	72,413	161,566	89,153	44,953
	1927	22	11,285	17,712	42,651	96,514	53,862	32,551
Scales and balances. ---	1931	54	2,814	3,233	3,644	14,561	10,917	-----
	1929	59	4,118	5,995	7,438	30,381	22,943	9,738
	1927	60	3,906	5,461	7,454	24,655	17,202	8,766
Sewing machines and attachments	1931	34	8,090	8,792	6,091	20,148	14,057	-----
	1929	39	10,467	14,976	16,458	45,095	28,636	29,659
	1927	35	9,997	13,748	14,073	39,724	25,651	31,286
Textile machinery and parts.	1931	330	18,808	21,238	18,175	65,798	47,623	-----
	1929	376	27,019	37,836	36,556	122,439	85,882	66,539
	1927	367	26,154	36,481	36,181	116,921	80,740	64,532
Typewriters and parts..	1931	20	10,924	10,328	3,785	22,057	18,271	-----
	1929	26	16,945	22,319	7,249	61,858	54,609	23,383
	1927	26	15,603	19,398	9,936	55,319	45,388	14,653
Washing machines, wringers, driers, and ironing machines, for household use	1931	59	6,201	7,212	24,521	50,929	26,408	-----
	1929	65	8,189	12,072	40,707	82,330	41,623	26,732
	1927	75	7,789	10,950	34,528	70,244	35,716	20,697
TRANSPORTATION EQUIPMENT								
Motor vehicles, not in- cluding motor cycles.	1931	178	134,866	156,766	1,044,406	1,567,526	523,120	-----
	1929	210	224,688	364,457	2,394,561	3,709,515	1,314,954	713,912
	1927	264	187,910	321,664	1,889,426	2,848,443	959,017	725,674
	1925	297	197,728	341,210	2,108,192	3,198,123	1,089,931	509,758
	1923	351	241,356	406,730	2,147,463	3,163,328	1,015,865	435,545
Motor-vehicle bodies and motor-vehicle parts ²⁴	1931	940	150,649	193,770	516,945	945,407	428,461	-----
	1929	1,188	222,760	368,625	863,937	1,551,208	687,271	824,705
	1927	1,213	181,489	291,291	641,307	1,151,426	510,120	651,639
	1925	1,358	228,382	372,721	862,721	1,523,280	660,558	662,255
	1923	2,120	163,530	253,147	564,107	1,013,112	449,005	423,088
Motorcycles, bicycles, and parts ²⁴	1931	19	3,294	3,563	5,520	13,697	8,177	-----
	1929	21	4,392	6,264	11,281	23,895	12,613	11,124
	1927	29	3,897	5,442	10,174	21,454	11,280	10,753
Carriages, wagons, sleighs, and sleds ²⁵	1931	75	1,431	1,389	2,918	6,179	3,261	-----
	1929	88	2,873	3,418	8,458	16,450	7,992	14,899
	1927	117	3,387	4,212	10,648	19,422	8,774	18,207
Carriages, and sleds, children's	1931	59	4,159	4,479	7,091	16,769	9,679	-----
	1929	79	7,102	8,313	13,515	28,818	15,303	10,895
	1927	89	7,030	7,814	13,895	28,668	14,773	10,309
Aircraft and parts.-----	1931	101	9,870	15,481	13,101	40,278	27,177	-----
	1929	132	14,710	21,924	27,368	71,153	43,785	16,505
	1927	70	4,422	6,857	7,517	21,162	13,645	6,031
Locomotives, other than electric, not made in railroad re- pair shops	1931	16	5,443	5,590	14,871	22,119	7,248	-----
	1929	16	11,045	17,994	52,808	83,858	31,050	98,482
	1927	17	12,961	17,648	45,688	76,719	31,031	148,971
Cars, electric and steam railroad, not built in railroad re- pair shops	1931	152	18,785	25,553	59,754	99,657	39,903	-----
	1929	147	40,015	63,387	223,889	328,220	104,331	238,455
	1927	135	38,081	60,625	209,113	312,509	103,396	236,415
	1925	141	50,393	77,247	266,054	390,771	124,718	243,934
	1923	139	80,590	129,178	413,660	604,350	190,690	250,102
Ship and boat building, steel and wooden, in- cluding repair work	1931	518	45,262	62,028	72,322	186,993	114,671	-----
	1929	624	55,089	88,274	85,849	231,300	145,451	337,455
	1927	559	55,014	87,081	78,626	211,127	132,501	314,474
	1925	565	50,224	74,275	66,299	177,182	110,883	303,470
	1923	567	62,287	90,720	84,558	213,232	128,675	317,712

¹ Revised, revision not carried into total²³ No comparable data for prior years. Radio apparatus was formerly included in "Electrical machinery, apparatus, and supplies" and "Phonographs," was a separate industry in the "Miscellaneous industries" group.²⁴ Figures prior to 1928 are not strictly comparable with those for later years, due to the inclusion of "Trailers" with "Motor vehicles and motor-vehicle parts" instead of with "Motor vehicles, not including motor cycles," as formerly.²⁵ Includes for 1931 data for certain of the establishments making carriage, wagon, sleigh, and sled materials, formerly classified in a separate industry. The figures for prior years have not been revised to include such data.

No. 738. MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture	Horse-power
In thousands of dollars								
RAILROAD REPAIR SHOPS								
Railroad repair shops, steam. ²⁶	1931	1,783	282,405	396,394	276,705	678,922	402,217	-----
	1929	1,851	316,681	590,203	515,562	1,181,435	668,573	1,076,723
	1927	1,794	397,088	600,517	515,070	1,205,191	690,120	1,037,464
	1925	1,842	425,231	619,834	533,908	1,248,867	714,959	831,839
	1923	1,801	488,505	723,742	599,377	1,433,680	834,303	735,635
Railroad repair shops, electric. ²⁷	1931	384	26,629	38,854	22,119	61,841	39,722	-----
	1929	446	29,475	47,109	32,781	85,482	52,700	76,421
	1927	515	31,524	48,392	30,421	84,504	54,083	73,377
MISCELLANEOUS INDUSTRIES								
Musical instruments, total. ²⁸	1931	230	10,003	11,152	10,762	32,207	21,444	-----
	1929	316	13,025	25,782	30,030	79,981	49,951	49,092
	1927	371	28,769	40,585	52,691	131,066	78,375	53,598
Musical instruments and parts and materials, not elsewhere classified.	1931	88	2,593	3,053	2,238	8,114	5,875	-----
	1929	106	3,176	4,581	3,825	14,274	10,449	6,060
	1927	99	4,018	5,737	4,641	17,892	13,251	5,356
Organs-----	1931	42	1,460	1,763	1,627	5,710	4,083	-----
	1929	62	2,389	3,604	3,091	11,323	8,232	4,740
	1927	63	2,770	4,364	4,494	15,439	10,044	4,332
Pianos-----	1931	50	4,737	5,157	5,892	15,293	9,401	-----
	1929	81	9,970	14,001	18,866	42,801	23,635	27,163
	1927	124	16,582	23,891	33,899	73,491	41,592	29,725
Piano and organ materials	1931	50	1,213	1,178	1,005	3,090	2,085	-----
	1929	67	3,090	3,597	4,248	11,883	7,635	11,099
	1927	85	5,399	6,594	9,657	22,245	12,587	14,185
Tobacco manufactures, total.	1931	1,228	99,709	69,411	⁽²⁹⁾ 785,502 <i>363,478</i>	1,155,851	370,349	-----
	1929	1,788	116,119	94,579	429,277	1,246,242	⁽³⁰⁾	64,934
	1927	2,156	129,299	105,251	420,667	1,163,788	⁽³⁰⁾	52,385
	1925	2,623	132,132	111,558	425,789	1,091,001	⁽³⁰⁾	42,075
	1923	3,672	146,337	120,462	515,865	1,044,192	⁽³⁰⁾	43,515
Tobacco: Chewing and smoking, and snuff.	1931	125	11,441	8,673	⁽²⁹⁾ 111,158 <i>66,873</i>	169,113	57,955	-----
	1929	152	10,811	8,955	72,494	179,333	⁽³⁰⁾	15,467
	1927	159	13,125	10,661	85,310	198,245	⁽³⁰⁾	16,566
Cigars and cigarettes...	1931	1,103	88,328	60,738	⁽²⁹⁾ 674,344 <i>296,602</i>	986,738	312,394	-----
	1929	1,636	105,308	85,623	356,778	1,066,909	⁽³⁰⁾	49,517
	1927	1,997	116,174	94,589	335,356	965,524	⁽³⁰⁾	35,819
	1925	2,445	117,108	99,373	331,351	874,815	⁽³⁰⁾	24,534
	1923	3,466	130,036	107,724	369,491	821,227	⁽³⁰⁾	24,894
Other industries, total. ³¹	1931	10,300	190,924	222,452	484,315	1,124,577	640,262	-----
	1929	12,508	282,666	389,173	899,873	2,099,872	1,199,894	550,213
	1927	11,785	282,298	383,751	904,627	2,021,945	1,117,318	731,445
	1925	11,191	271,555	348,762	851,795	1,863,381	1,011,585	638,790
	1923	11,331	291,106	357,316	835,019	1,783,442	948,423	608,593

²⁶ Formerly classified as "Car and general construction and repairs, steam-railroad repair shops."²⁷ Formerly classified as "Car and general construction and repairs, electric-railroad repair shops."²⁸ The figures for 1929 and 1927 have been revised by subtracting the figures for "Phonographs," which has been abandoned as a separate industry and included with "Radio apparatus and phonographs" for 1931.²⁹ Figures include internal-revenue tax; figures in italics exclude internal-revenue tax and are comparable with those for earlier years.³⁰ No comparable figures available.³¹ Figures for 1929 and prior years have been revised to exclude "Whips," abandoned as a separate industry for 1931, and included in "Saddlery, harness, and whips," in the "Leather and its manufactures," group. Data for "Phonographs," a separate industry in the subgroup, "Musical instruments," in the "Miscellaneous industries" group prior to 1931, have been added for 1929 and prior years. Figures for "Dairymen's supplies; creamery, cheese-factory, and butter-factory equipment, and poultrymen's and apiculturists' supplies," and "Sandpaper, emery paper, and other abrasive paper, and cloth," which were abandoned as separate industries and included in industries in other groups for 1931, are included in this group for 1929 and prior years. For 1931 the motion-picture industry was not treated as a manufacturing industry, but for years prior to 1931 was included with this subgroup.

No. 738.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Cen- sus year	Num- ber of estab- lish- ments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufac- ture	Horse- power
In thousands of dollars								
MISCELLANEOUS IN- DUSTRIES—Contd								
Artificial and preserved flowers and plants.	1931	158	2,348	2,140	3,415	9,035	5,620	-----
	1929	191	3,216	3,218	5,527	14,425	8,898	625
	1927	190	4,715	5,050	7,889	19,576	11,688	541
Artists' materials-----	1931	65	838	891	2,137	5,823	3,686	-----
	1929	68	1,167	1,429	4,155	9,460	5,304	3,397
	1927	61	1,211	1,430	3,772	8,205	4,433	3,250
Brooms-----	1931	334	4,086	3,326	6,264	13,135	6,871	-----
	1929	407	4,542	4,169	9,648	19,166	9,519	4,672
	1927	394	4,450	4,275	9,176	18,445	9,269	4,401
Brushes, other than rubber	1931	264	5,891	5,992	14,228	30,827	16,600	-----
	1929	303	7,201	7,963	21,688	45,549	23,861	11,915
	1927	302	7,673	8,244	22,553	47,844	25,291	12,093
Buttons-----	1931	212	8,224	6,661	8,303	21,525	13,221	-----
	1929	242	9,034	8,814	11,501	28,978	17,477	14,615
	1927	229	9,642	9,436	11,238	29,130	17,893	15,899
Carbon paper and inked ribbons.	1931	54	1,198	1,463	6,034	13,476	7,442	-----
	1929	57	1,251	1,702	7,991	17,295	9,304	3,642
	1927	49	1,078	1,514	6,020	13,793	7,773	3,267
Combs and hairpins, not made from metal or rubber	1931	23	653	571	837	1,917	1,080	-----
	1929	24	656	641	1,007	2,482	1,476	1,015
	1927	36	1,259	1,249	1,873	4,437	2,564	1,591
Dentists' supplies and equipment, except instruments.	1931	84	3,874	3,949	9,362	24,005	14,643	-----
	1929	87	4,559	5,359	17,327	35,180	17,853	6,216
	1927	97	3,759	3,941	18,189	32,849	14,160	3,792
Feathers, plumes, and manufactures there- of	1931	53	527	559	588	1,898	1,310	-----
	1929	39	257	310	386	1,141	755	100
	1927	38	322	397	534	1,438	904	103
Foundry supplies-----	1931	52	428	492	2,080	3,998	1,918	-----
	1929	59	853	1,256	5,535	10,459	4,924	9,896
	1927	65	941	1,200	6,539	11,685	5,096	11,133
Fur goods-----	1931	2,354	12,358	24,793	102,634	164,749	62,115	-----
	1929	2,855	15,752	33,330	176,107	277,693	101,486	5,611
	1927	2,756	16,640	37,671	195,323	209,615	104,292	5,655
	1925	2,000	16,556	35,164	159,316	254,266	94,950	4,985
	1923	1,758	14,439	27,923	126,162	198,043	71,880	4,299
Furs, dressed-----	1931	243	5,160	7,968	16,221	37,873	21,652	-----
	1929	245	5,167	8,596	18,649	40,237	21,588	10,769
	1927	172	5,540	10,361	7,072	27,681	20,609	12,467
Hair work-----	1931	52	267	288	311	1,184	874	-----
	1929	59	359	432	538	1,694	1,155	44
	1927	69	515	598	830	2,279	1,449	21
Hand stamps and sten- cils, and brands.	1931	288	2,496	3,371	2,395	10,045	7,651	-----
	1929	332	2,971	4,081	3,811	15,036	11,225	3,596
	1927	293	2,668	3,542	3,734	14,156	10,422	3,159
Hats, straw, men's-----	1931	50	2,823	2,784	7,253	13,892	6,639	-----
	1929	50	3,380	3,688	8,705	18,739	10,034	1,836
	1927	48	3,263	4,232	11,753	21,718	9,935	1,554
Instruments, profes- sional and scientific, and gauges, except machinists' gauges	1931	270	9,136	11,115	10,141	40,734	30,593	-----
	1929	276	16,876	22,682	28,411	89,746	61,335	22,816
	1927	280	16,414	22,289	28,880	87,783	58,903	25,887
Jewelry and instru- ment cases	1931	92	1,398	1,414	1,941	4,919	2,978	-----
	1929	113	2,269	2,473	3,324	8,827	5,502	1,503
	1927	107	2,406	2,597	3,294	8,810	5,516	1,440
Lapidary work-----	1931	53	205	340	1,378	2,475	1,097	-----
	1929	100	506	1,002	8,235	11,942	3,708	474
	1927	92	547	1,221	9,133	12,352	3,218	513
Mattresses and bed springs, not elsewhere classified.	1931	781	13,622	14,702	37,509	77,508	39,999	-----
	1929	951	17,187	22,584	61,527	123,280	61,753	50,554
	1927	838	13,481	16,887	52,152	98,835	46,652	32,937

^a Revised, revision not carried into total.

No 738.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES— Continued

Industry	Cen- sus year	Num- ber of estab- lish- ments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufac- ture	Horse- power
In thousands of dollars								
MISCELLANEOUS IN- DUSTRIES—Contd								
Miscellaneous articles, not elsewhere classi- fied	1931	709	13,892	13,119	22,380	55,133	32,754	-----
	1929	835	19,113	19,465	35,657	86,649	50,992	11,713
	1927	617	17,259	18,636	35,002	83,918	48,916	11,401
Models and patterns, not including paper patterns	1931	649	4,332	7,378	2,787	16,192	13,405	-----
	1929	804	6,778	13,234	5,314	30,621	25,307	12,378
	1927	693	5,584	10,545	4,659	23,495	18,836	11,465
Optical goods.....	1931	102	7,446	8,756	7,521	27,887	20,364	-----
	1929	117	9,701	12,634	11,859	40,562	28,703	15,626
	1927	96	7,566	9,561	8,865	32,757	23,892	12,401
Paving materials Blocks (except brick and stone), and mix- tures. ¹	1931	97	1,081	1,556	8,587	16,003	7,416	-----
	1929	126	2,375	3,731	13,589	29,275	15,687	30,393
Pencils, lead (including mechanical).	1931	26	3,459	3,177	5,202	13,959	8,757	-----
	1929	38	5,703	6,292	10,756	27,773	17,017	9,921
	1927	27	5,301	5,943	9,931	24,500	14,568	9,832
Pens, fountain and sty- lographic; pen points, gold, steel, and brass	1931	68	3,945	4,364	7,219	23,799	16,579	-----
	1929	76	4,600	5,304	11,469	34,211	22,752	4,235
	1927	68	4,031	4,735	10,375	25,645	15,270	3,721
Photographic appara- tus and materials and projection apparatus	1931	110	10,609	13,082	20,868	79,506	58,639	-----
	1929	115	12,967	20,507	30,393	102,827	72,435	31,904
	1927	122	12,120	18,311	29,020	90,828	61,808	24,838
Pipes (tobacco).....	1931	24	1,677	1,761	1,776	5,522	3,747	-----
	1929	24	1,680	1,961	1,749	5,558	3,809	2,276
	1927	23	1,807	2,279	2,723	7,274	4,551	1,928
Roofing, built-up and roll, asphalt shingles, roof coatings, other than paint.	1931	83	4,123	5,331	32,706	58,963	26,257	-----
	1929	102	6,027	8,952	61,392	103,506	42,115	33,791
	1927	100	7,255	10,713	67,328	123,210	55,883	41,740
Signs and advertising novelties	1931	1,078	14,463	18,485	21,297	74,681	53,384	-----
	1929	1,239	20,000	27,901	35,701	118,044	82,343	19,627
	1927	813	16,907	24,044	30,892	98,481	67,589	15,325
Soda fountains and ac- cessories	1931	47	1,563	2,190	5,236	14,606	9,370	-----
	1929	51	2,764	3,922	10,490	24,510	14,020	5,271
	1927	48	2,838	4,223	10,391	23,929	13,538	5,042
Sporting and athletic goods, not including firearms or ammuni- tion	1931	217	10,176	11,219	20,099	49,257	29,159	-----
	1929	242	10,793	13,135	24,482	58,289	33,806	18,039
	1927	188	9,689	11,595	19,394	44,943	25,549	13,484
Stationery goods, not elsewhere classified	1931	170	8,614	9,034	22,285	47,355	25,071	-----
	1929	203	11,078	12,430	32,178	74,062	41,884	11,523
	1927	194	8,987	9,792	27,016	56,987	29,971	8,891
Steam and other pack- ing, pipe and boiler covering, and gaskets, not elsewhere classi- fied.	1931	141	4,705	5,174	11,297	25,401	14,103	-----
	1929	171	7,266	9,660	21,566	45,433	23,837	30,881
	1927	159	6,946	7,905	19,794	43,045	23,250	29,810
Surgical and orthopedic appliances and related products	1931	325	6,740	7,271	22,954	51,012	28,058	-----
	1929	363	7,910	8,922	36,005	71,607	35,602	13,407
	1927	335	7,310	8,371	30,704	60,623	29,860	9,662
Theatrical scenery and stage equipment.	1931	45	365	649	1,218	3,003	1,784	-----
	1929	55	547	992	2,098	5,808	3,409	618
	1927	39	561	1,380	2,330	5,745	3,415	998
Toys, games, and play- ground equipment ²	1931	380	13,231	12,380	21,515	53,601	32,086	-----
	1929	476	16,660	17,661	29,982	74,829	44,847	25,642
	1927	397	14,738	15,543	25,805	63,956	38,150	19,028
Umbrellas, parasols, and canes.	1931	93	1,852	1,611	5,136	9,115	3,979	-----
	1929	141	2,855	2,768	10,907	17,994	7,087	3,069
	1927	164	3,308	3,411	14,021	23,150	9,135	2,411
Window shades and fixtures.	1931	448	3,119	3,313	11,198	20,562	9,384	-----
	1929	482	4,708	5,624	19,785	36,965	17,179	8,389
	1927	386	4,733	5,856	21,065	37,082	16,016	8,679

¹ Because of a change in classification, no comparable figures can be shown for earlier years.² Not including children's wheel goods or sleds

No. 739.—SUMMARY FOR ALL MANUFACTURING INDUSTRIES COMBINED: By GEOGRAPHIC DIVISIONS AND STATES

NOTE.—Data for "Coffee and spices, roasting and grinding" are included for all years except 1925, for which year this industry was not tabulated for the United States as a whole, and data for "Poultry killing and dressing" are included for all years except 1927, for which year this industry was not canvassed. No data for establishments with products valued at less than \$5,000 are included. Statistics for horsepower were not collected for 1931.

Division and State	Cen- sus year	Num- ber of estab- lish- ments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufac- ture	Horse- power
United States.....	1931	175,325	6,523,026	7,185,971	21,483,678	41,350,465	19,866,787	-----
	1929	210,959	8,538,743	11,620,973	38,549,580	70,434,863	31,885,284	42,931,061
	1927	191,866	8,349,755	10,848,303	35,133,137	62,718,347	27,585,210	38,825,681
	1925	187,990	8,384,201	10,729,969	35,935,648	62,713,714	26,778,066	35,772,628
	1923	196,309	8,778,156	11,009,298	34,703,698	60,555,998	25,850,300	33,094,228
New England.....	1931	16,383	850,132	897,541	1,833,328	3,915,474	2,082,146	-----
	1929	18,272	1,098,514	1,346,392	3,158,416	6,398,215	3,239,798	4,686,822
	1927	17,745	1,098,748	1,328,650	3,048,863	6,028,475	2,979,612	4,566,155
	1925	18,173	1,122,216	1,339,310	3,203,911	6,140,063	2,936,153	4,349,191
	1923	19,081	1,254,496	1,472,315	3,290,156	6,419,975	3,129,820	4,151,136
Middle Atlantic.....	1931	56,556	1,961,778	2,353,194	6,401,882	12,966,973	6,565,091	-----
	1929	64,730	2,562,340	3,640,420	11,183,619	21,339,574	10,175,955	11,623,682
	1927	62,276	2,467,791	3,491,680	10,488,832	19,533,075	9,044,243	10,968,754
	1925	58,895	2,491,039	3,434,610	10,682,358	19,409,491	8,727,133	10,106,390
	1923	66,007	2,694,027	3,595,238	11,124,614	19,738,964	8,614,340	9,627,810
East North Central....	1931	39,290	1,757,815	2,057,711	6,109,399	11,843,813	5,734,414	-----
	1929	46,396	2,542,176	3,738,804	11,689,799	21,663,289	9,973,490	12,602,451
	1927	43,671	2,509,860	3,340,801	10,525,393	18,988,400	8,463,007	11,056,846
	1925	42,888	2,342,799	3,345,894	10,764,884	19,026,814	8,261,929	10,047,780
	1923	43,978	2,387,049	3,333,621	10,166,125	17,821,694	7,655,569	9,023,688
West North Central....	1931	15,134	365,220	406,432	2,012,162	3,198,724	1,186,562	-----
	1929	17,792	474,115	589,162	3,507,392	5,377,383	1,869,991	2,210,162
	1927	16,192	448,192	550,698	3,170,989	4,733,112	1,562,123	2,033,074
	1925	16,280	452,820	552,702	3,216,616	4,724,411	1,507,795	1,855,278
	1923	16,605	469,725	563,914	2,848,565	4,299,549	1,450,984	1,705,600
South Atlantic.....	1931	15,255	737,514	584,320	1,694,740	3,611,503	1,916,763	-----
	1929	20,860	912,247	825,903	2,811,055	5,269,276	2,458,221	4,318,015
	1927	17,029	799,060	794,265	2,487,871	4,631,952	2,144,081	3,805,038
	1925	16,576	838,834	757,051	2,549,391	4,532,146	1,982,756	3,384,030
	1923	17,049	832,166	729,859	2,438,631	4,238,237	1,799,606	3,047,501
East South Central....	1931	6,125	262,426	208,975	615,466	1,171,025	555,559	-----
	1929	9,860	377,870	345,733	1,090,015	2,014,443	924,428	1,999,354
	1927	7,637	359,542	331,280	1,025,122	1,808,818	783,696	1,787,386
	1925	8,080	355,995	322,675	1,042,478	1,808,702	766,224	1,615,183
	1923	7,513	347,200	310,354	988,075	1,702,670	714,594	1,461,604
West South Central....	1931	8,274	199,694	192,303	1,030,359	1,547,232	516,874	-----
	1929	10,576	297,743	316,475	1,851,630	2,802,092	950,462	1,749,555
	1927	8,208	267,142	281,156	1,644,155	2,399,410	755,255	1,419,558
	1925	7,887	265,160	267,875	1,722,382	2,546,506	824,124	1,316,629
	1923	7,947	267,111	265,332	1,375,838	2,091,624	715,786	1,269,347
Mountain.....	1931	3,652	70,040	88,083	366,799	578,974	212,175	-----
	1929	4,319	102,492	144,486	869,856	1,239,911	370,055	938,689
	1927	3,919	94,957	130,304	659,600	981,091	321,490	829,256
	1925	3,849	100,374	134,583	688,350	1,046,318	357,968	757,974
	1923	3,970	103,803	143,392	609,141	955,772	346,632	714,807
Pacific.....	1931	14,656	318,407	397,412	1,419,543	2,516,745	1,097,202	-----
	1929	18,154	471,246	670,599	2,387,799	4,310,681	1,922,882	2,802,301
	1927	15,189	424,063	599,969	2,082,311	3,614,013	1,531,702	2,359,614
	1925	14,762	415,024	575,269	2,041,255	3,455,241	1,413,986	2,269,169
	1923	14,158	420,472	591,387	1,851,431	3,257,540	1,406,109	1,886,942
New England— Maine.....	1931	1,235	56,308	55,187	142,292	259,505	117,213	-----
	1929	1,568	70,159	74,200	217,367	391,751	174,385	679,153
	1927	1,426	68,142	74,212	208,866	372,093	163,228	628,941
	1925	1,600	73,849	79,777	205,709	371,849	166,141	600,787
	1923	1,642	83,328	91,854	217,070	402,650	185,580	570,532

No. 739.—SUMMARY FOR ALL MANUFACTURING INDUSTRIES COMBINED:
BY GEOGRAPHIC DIVISIONS AND STATES—Continued

Division and State	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture	Horse-power
New England—Contd								
New Hampshire	1931	851	53,048	51,810	112,650	210,152	97,502	
	1929	1,075	65,511	70,514	185,402	332,535	147,132	402,147
	1927	1,028	65,482	72,803	182,106	327,528	145,422	376,373
	1925	1,038	60,658	71,725	192,253	327,401	135,147	370,740
	1923	1,078	75,314	79,074	185,754	333,125	147,370	352,656
Vermont	1931	702	18,726	20,923	37,417	80,093	43,186	
	1929	927	27,421	33,810	66,263	143,523	77,260	163,940
	1927	880	20,241	32,305	69,957	134,030	64,073	172,762
	1925	951	27,563	32,326	74,387	138,270	63,882	178,806
	1923	1,021	30,783	34,695	80,776	149,652	69,176	177,212
Massachusetts	1931	9,305	434,441	474,189	1,015,094	2,157,460	1,142,357	
	1929	9,872	557,494	694,805	1,681,433	3,392,162	1,710,729	2,068,521
	1927	10,037	578,068	705,930	1,678,812	3,317,852	1,639,039	2,130,503
	1925	10,027	591,438	716,156	1,773,698	3,405,672	1,631,974	2,013,017
	1923	10,519	667,172	799,363	1,835,013	3,570,543	1,735,530	1,931,787
Rhode Island	1931	1,473	95,435	96,036	198,494	409,816	211,322	
	1929	1,701	126,068	144,107	342,290	668,368	324,078	463,822
	1927	1,497	120,009	138,896	313,107	592,233	279,126	410,181
	1925	1,595	120,346	138,126	345,221	621,920	276,699	396,754
	1923	1,691	134,667	152,500	358,581	675,425	316,844	391,928
Connecticut	1931	2,817	192,174	199,396	327,381	797,948	470,568	
	1929	3,129	251,861	328,865	665,661	1,471,876	806,214	909,239
	1927	2,877	240,806	304,504	596,014	1,284,739	688,724	847,395
	1925	3,062	242,362	301,200	612,642	1,274,952	662,309	790,087
	1923	3,130	263,232	314,829	612,961	1,288,281	675,320	727,021
Middle Atlantic:								
New York	1931	34,604	848,352	1,105,559	3,140,407	6,554,250	3,412,843	
	1929	39,395	1,105,966	1,650,379	5,004,636	9,978,556	4,973,920	3,968,781
	1927	36,650	1,072,284	1,605,378	4,804,173	9,400,061	4,595,889	3,671,185
	1925	33,393	1,066,202	1,533,893	4,704,989	8,968,548	4,263,558	3,348,184
	1923	38,186	1,150,901	1,581,349	4,764,626	8,960,638	4,196,012	3,263,325
New Jersey	1931	7,178	334,691	402,027	1,147,304	2,307,336	1,180,032	
	1929	8,388	442,328	610,596	2,165,727	3,937,157	1,771,430	1,645,408
	1927	8,312	408,093	570,309	1,956,597	3,417,450	1,460,853	1,496,935
	1925	8,204	425,377	576,236	2,086,855	3,539,181	1,452,326	1,384,234
	1923	8,767	448,069	578,927	2,039,477	3,396,628	1,357,160	1,256,890
Pennsylvania	1931	14,774	778,735	845,607	2,114,172	4,105,387	1,991,215	
	1929	16,947	1,014,046	1,379,444	4,013,256	7,443,861	3,430,606	5,991,456
	1927	17,314	987,414	1,315,993	3,728,062	6,716,563	2,987,502	5,800,634
	1925	17,298	999,460	1,324,481	3,890,514	6,901,762	3,011,248	5,373,972
	1923	19,054	1,095,057	1,434,963	4,320,510	7,381,688	3,061,178	5,107,593
East North Central:								
Ohio	1931	9,877	506,960	593,025	1,589,840	3,116,016	1,576,176	
	1929	11,855	741,143	1,102,166	3,138,099	6,027,903	2,889,804	4,340,575
	1927	10,961	669,097	968,181	2,877,126	5,230,323	2,353,197	3,734,761
	1925	11,137	676,742	975,812	3,029,686	5,847,522	2,817,836	3,482,618
	1923	11,195	699,132	979,660	2,909,167	5,146,615	2,237,848	3,307,726
Indiana	1931	4,097	212,614	232,319	766,980	1,394,213	637,233	
	1929	5,091	314,698	418,771	1,403,431	2,539,894	1,136,463	1,858,735
	1927	4,726	280,717	375,218	1,227,169	2,153,479	926,311	1,602,113
	1925	4,772	280,954	365,003	1,257,961	2,125,023	867,062	1,420,989
	1923	4,909	291,131	374,510	1,190,070	2,031,675	841,605	1,372,007
Illinois	1931	13,188	484,195	589,805	1,790,135	3,528,946	1,738,812	
	1929	15,333	691,555	1,024,870	3,352,054	6,282,092	2,930,038	2,807,001
	1927	14,711	623,468	914,103	2,921,092	5,386,003	2,464,911	2,456,997
	1925	14,117	622,368	897,970	2,926,064	5,321,838	2,395,774	2,247,408
	1923	14,345	646,627	913,220	2,794,613	5,041,113	2,246,501	1,942,516
Michigan	1931	5,798	370,140	453,463	1,303,010	2,555,106	1,262,096	
	1929	6,686	530,035	840,505	2,589,374	4,656,718	2,067,344	2,356,746
	1927	5,800	488,856	760,602	2,346,078	4,244,941	1,898,263	2,214,747
	1925	5,600	515,494	792,225	2,466,426	4,373,186	1,906,760	1,887,750
	1923	5,697	503,308	769,071	2,270,773	3,882,192	1,611,419	1,471,550

No. 739.—SUMMARY FOR ALL MANUFACTURING INDUSTRIES COMBINED:
By GEOGRAPHIC DIVISIONS AND STATES—Continued

Division and State	Cen- sus year	Num- ber of estab- lish- ments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufac- ture	Horse- power
East North Central— Continued Wisconsin-----	1931	6,335	183,906	189,099	669,434	1,199,532	530,097	-----
	1929	7,431	264,745	352,491	1,206,840	2,156,682	949,842	1,239,394
	1927	7,473	247,722	322,697	1,153,328	1,973,653	820,325	1,048,228
	1925	7,262	247,341	314,883	1,084,747	1,859,244	774,496	1,009,015
	1923	7,832	247,851	297,160	1,001,502	1,720,198	718,696	929,889
West North Central Minnesota-----	1931	3,864	80,753	92,929	457,317	719,064	261,747	-----
	1929	4,315	103,414	132,418	768,218	1,173,214	404,995	606,704
	1927	3,886	98,833	123,619	726,391	1,066,727	340,336	584,328
	1925	3,888	100,614	123,767	770,724	1,101,856	331,132	508,021
	1923	3,900	103,964	125,531	647,323	962,775	315,452	460,128
Iowa-----	1931	2,776	60,956	68,402	356,007	560,811	204,804	-----
	1929	3,317	81,678	102,327	574,394	898,213	323,820	366,760
	1927	3,061	73,692	91,247	496,940	769,341	272,401	330,702
	1925	3,270	74,976	92,233	499,586	757,771	258,185	308,016
	1923	3,420	77,847	94,206	434,336	690,032	255,697	282,338
Missouri-----	1931	4,824	155,268	162,052	631,166	1,117,701	486,535	-----
	1929	5,765	202,879	240,369	1,139,658	1,917,155	777,497	717,978
	1927	5,422	195,378	230,017	1,004,709	1,665,173	680,464	656,269
	1925	5,114	194,959	230,691	980,459	1,607,161	626,702	590,485
	1923	5,291	196,694	228,015	944,083	1,547,189	603,106	553,397
North Dakota-----	1931	325	3,306	4,600	28,155	40,076	11,921	-----
	1929	373	4,024	5,687	39,684	55,322	15,637	19,756
	1927	307	3,260	4,808	34,271	47,003	12,732	16,167
	1925	320	3,261	4,575	32,307	44,632	12,325	16,711
	1923	340	3,552	5,134	30,704	42,145	11,441	16,730
South Dakota-----	1931	489	5,373	6,378	50,923	69,188	18,265	-----
	1929	615	6,535	8,132	75,016	97,698	22,681	31,297
	1927	472	5,551	6,786	63,620	83,001	19,331	24,676
	1925	504	5,151	6,208	46,942	63,433	16,491	21,463
	1923	489	5,146	6,211	33,673	47,321	13,648	16,458
Nebraska-----	1931	1,278	23,522	28,351	214,939	294,095	79,157	-----
	1929	1,491	28,212	36,881	364,175	484,168	119,994	169,210
	1927	1,277	26,110	34,296	326,917	420,296	93,379	141,506
	1925	1,306	27,200	36,021	348,397	443,309	94,912	133,708
	1923	1,379	31,267	39,761	314,027	415,057	101,030	120,999
Kansas-----	1931	1,578	36,042	43,720	273,655	397,788	124,133	-----
	1929	1,916	47,373	63,348	546,247	751,613	205,367	298,487
	1927	1,767	45,368	59,925	518,141	681,570	163,429	279,426
	1925	1,878	46,659	59,207	538,202	706,250	168,048	276,874
	1923	1,786	51,255	65,056	444,420	595,030	150,610	255,555
South Atlantic Delaware-----	1931	383	17,202	18,830	46,199	91,143	44,944	-----
	1929	460	23,552	29,063	80,491	149,642	69,151	114,961
	1927	446	21,324	25,222	69,033	129,900	60,867	103,166
	1925	419	20,704	25,072	70,622	125,406	54,784	107,391
	1923	453	23,116	27,369	70,736	128,951	58,216	112,455
Maryland-----	1931	2,851	107,951	107,985	365,087	669,275	304,189	-----
	1929	3,231	131,099	148,835	696,986	1,119,082	422,097	659,823
	1927	3,205	126,700	141,903	564,120	943,411	379,290	579,713
	1925	3,184	125,787	138,591	568,591	926,252	357,560	544,558
	1923	3,168	128,826	136,286	569,035	903,446	334,411	497,945
Dist. of Columbia..	1931	492	8,668	14,062	29,525	79,458	49,933	-----
	1929	547	9,752	15,513	36,200	88,973	52,773	44,916
	1927	503	9,519	15,669	36,099	90,390	54,291	39,471
	1925	538	9,763	15,320	33,504	83,577	50,073	37,508
	1923	600	9,823	14,796	32,870	73,108	40,238	31,846
Virginia-----	1931	2,275	103,045	90,559	258,841	611,524	352,683	-----
	1929	3,287	120,273	118,089	365,824	745,910	380,086	646,251
	1927	2,432	114,918	110,378	346,166	671,347	325,181	503,726
	1925	2,553	112,135	105,887	314,711	589,511	274,800	441,807
	1923	2,743	111,578	104,680	304,493	548,153	243,661	431,237

NO. 739.—SUMMARY FOR ALL MANUFACTURING INDUSTRIES COMBINED:
BY GEOGRAPHIC DIVISIONS AND STATES—Continued

Division and State	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture	Horse-power
In thousands of dollars								
South Atlantic—Contd.								
West Virginia-----	1931	1, 125	64, 702	73, 916	147, 669	310, 536	162, 866	-----
	1929	1, 488	85, 326	115, 295	261, 398	513, 012	251, 615	650, 199
	1927	1, 313	77, 630	103, 431	252, 884	455, 217	202, 332	546, 440
	1925	1, 395	80, 700	105, 892	260, 580	470, 822	209, 941	495, 051
	1923	1, 487	85, 601	109, 937	259, 151	479, 510	220, 359	371, 699
North Carolina-----	1931	2, 557	179, 282	118, 684	1, 642, 527	1, 026, 565	1, 384, 038	-----
	1929	3, 707	209, 826	160, 868	618, 912	1, 311, 924	1, 003, 013	839, 945
	1927	2, 984	204, 590	158, 394	560, 819	1, 154, 647	1, 093, 827	810, 798
	1925	2, 614	182, 234	134, 237	550, 707	1, 050, 434	1, 490, 727	666, 861
	1923	2, 670	173, 687	127, 538	516, 149	951, 911	1, 435, 762	606, 397
South Carolina-----	1931	1, 044	87, 010	50, 926	116, 154	225, 503	109, 349	-----
	1929	1, 659	108, 777	73, 223	226, 542	385, 892	159, 351	527, 326
	1927	1, 059	108, 992	74, 478	206, 772	358, 334	151, 562	478, 245
	1925	1, 134	100, 144	67, 062	237, 227	370, 283	133, 056	423, 359
	1923	1, 180	96, 802	64, 753	221, 240	360, 446	139, 206	407, 735
Georgia-----	1931	2, 851	119, 531	74, 918	257, 445	440, 425	182, 981	-----
	1929	4, 179	158, 774	110, 435	427, 805	722, 454	294, 649	641, 899
	1927	3, 175	154, 168	108, 118	360, 262	609, 918	249, 656	555, 899
	1925	2, 876	141, 173	99, 210	399, 351	648, 852	249, 501	523, 334
	1923	3, 058	137, 476	92, 144	381, 769	604, 453	222, 684	449, 888
Florida-----	1931	1, 677	50, 123	34, 439	68, 311	157, 074	88, 763	-----
	1929	2, 212	64, 868	54, 582	96, 898	232, 389	135, 488	192, 695
	1927	1, 912	61, 219	56, 672	91, 716	218, 790	127, 075	177, 580
	1925	1, 863	66, 204	65, 780	113, 796	267, 009	153, 213	144, 161
	1923	1, 690	65, 047	52, 357	83, 188	188, 258	106, 071	138, 299
East South Central:								
Kentucky-----	1931	1, 621	56, 229	54, 432	152, 360	298, 324	145, 964	-----
	1929	2, 246	77, 825	88, 644	266, 559	502, 639	236, 080	354, 740
	1927	1, 851	74, 912	83, 859	250, 633	447, 765	197, 132	318, 755
	1925	1, 864	76, 580	84, 946	255, 108	453, 937	198, 828	287, 965
	1923	1, 975	76, 724	82, 648	242, 410	427, 094	184, 684	251, 554
Tennessee-----	1931	1, 948	92, 660	74, 056	233, 722	446, 182	212, 460	-----
	1929	2, 855	128, 400	115, 877	407, 611	730, 509	322, 898	606, 704
	1927	2, 098	114, 968	101, 198	351, 436	614, 041	262, 604	475, 243
	1925	2, 162	107, 645	95, 255	358, 097	601, 488	243, 391	447, 529
	1923	2, 307	106, 504	92, 482	334, 111	555, 266	221, 154	391, 465
Alabama-----	1931	1, 639	84, 630	61, 568	172, 184	323, 234	151, 060	-----
	1929	2, 848	119, 559	102, 005	302, 253	560, 378	258, 125	785, 330
	1927	2, 355	119, 093	105, 489	317, 493	550, 372	232, 879	779, 156
	1925	2, 349	116, 599	101, 243	325, 684	552, 824	227, 140	697, 998
	1923	1, 996	109, 620	95, 205	323, 666	541, 726	218, 063	640, 892
Mississippi-----	1931	917	28, 907	18, 919	57, 200	103, 286	46, 086	-----
	1929	1, 911	52, 086	42, 208	113, 592	220, 918	107, 325	252, 580
	1927	1, 333	50, 569	40, 734	105, 559	196, 641	91, 081	214, 232
	1925	1, 705	55, 171	41, 231	103, 588	200, 453	96, 865	211, 691
	1923	1, 235	44, 352	40, 019	87, 888	178, 582	90, 698	177, 693
West South Central:								
Arkansas-----	1931	1, 017	25, 161	19, 023	53, 871	98, 323	44, 452	-----
	1929	1, 731	44, 205	39, 503	116, 648	210, 903	94, 255	223, 034
	1927	1, 146	40, 032	35, 288	103, 815	182, 751	78, 936	183, 041
	1925	1, 257	43, 977	37, 538	110, 665	195, 208	84, 543	177, 011
	1923	1, 231	44, 545	37, 770	90, 709	172, 541	81, 832	165, 154
Louisiana-----	1931	1, 609	57, 090	47, 949	253, 856	384, 970	131, 113	-----
	1929	1, 989	87, 345	83, 867	438, 540	635, 037	246, 497	480, 404
	1927	1, 624	82, 415	79, 673	427, 994	658, 361	210, 367	415, 582
	1925	1, 742	83, 068	79, 763	465, 426	710, 050	244, 624	410, 298
	1923	1, 781	94, 719	83, 031	407, 414	624, 683	217, 268	402, 938
Oklahoma-----	1931	1, 322	22, 576	26, 271	150, 349	218, 722	68, 373	-----
	1929	1, 658	31, 695	41, 277	306, 501	455, 905	149, 404	223, 257
	1927	1, 373	27, 932	35, 785	269, 418	371, 718	102, 300	185, 480
	1925	1, 282	26, 333	34, 211	301, 147	403, 295	102, 148	166, 826
	1923	1, 242	25, 489	33, 069	230, 263	315, 208	84, 946	152, 966

¹ Revised; revision not carried into United States and division totals.

² Includes internal-revenue tax paid by tobacco manufacturers amounting to \$237,019,000. Figures for earlier years exclude such data.

³ Figures include internal-revenue tax paid by tobacco manufacturers.

No. 739.—SUMMARY FOR ALL MANUFACTURING INDUSTRIES COMBINED:
BY GEOGRAPHIC DIVISIONS AND STATES—Continued

Division and State	Cen- sus year	Num- ber of estab- lish- ments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufac- ture	Horse- power
West South Central— Continued. Texas	1931	4, 326	94, 867	99, 061	572, 282	845, 217	272, 935	
	1929	5, 198	134, 498	151, 827	989, 940	1, 450, 246	460, 307	822, 860
	1927	4, 065	116, 763	130, 409	842, 927	1, 206, 580	363, 653	635, 455
	1925	3, 606	106, 792	116, 363	845, 144	1, 237, 952	392, 809	572, 798
	1923	3, 693	102, 358	111, 462	647, 452	979, 192	331, 740	548, 289
Mountain:								
Montana	1931	475	9, 590	12, 680	73, 776	103, 731	29, 955	
	1929	589	14, 869	24, 215	209, 845	271, 094	61, 249	197, 781
	1927	565	14, 242	20, 915	151, 792	203, 503	51, 712	188, 390
	1925	606	14, 777	21, 078	146, 351	205, 474	59, 123	166, 528
	1923	679	15, 943	24, 540	128, 702	174, 874	46, 172	190, 516
Idaho	1931	439	9, 393	11, 276	32, 836	55, 788	22, 952	
	1929	562	15, 648	22, 452	51, 864	96, 352	44, 489	105, 787
	1927	470	13, 513	18, 971	47, 927	86, 256	38, 329	99, 830
	1925	490	15, 794	20, 709	53, 152	96, 990	43, 838	82, 552
	1923	510	16, 347	22, 886	43, 134	87, 429	44, 295	72, 146
Wyoming	1931	205	4, 808	7, 879	37, 256	52, 744	15, 488	
	1929	248	6, 258	10, 255	62, 720	96, 348	33, 628	46, 677
	1927	229	5, 677	9, 066	63, 741	85, 368	21, 627	40, 191
	1925	224	6, 833	10, 526	76, 073	107, 985	31, 911	28, 721
	1923	246	7, 610	12, 502	69, 695	110, 632	40, 937	23, 959
Colorado	1931	1, 359	24, 788	29, 635	107, 131	183, 469	78, 938	
	1929	1, 548	32, 890	43, 640	183, 740	306, 071	122, 831	233, 726
	1927	1, 483	32, 001	43, 194	173, 277	278, 221	104, 944	254, 530
	1925	1, 416	31, 967	43, 008	171, 192	278, 778	107, 686	219, 865
	1923	1, 377	31, 226	40, 653	150, 093	255, 190	105, 097	176, 076
New Mexico	1931	198	2, 842	3, 575	6, 971	13, 269	6, 298	
	1929	280	4, 476	5, 565	10, 419	21, 697	11, 278	23, 147
	1927	200	4, 653	5, 421	10, 056	20, 183	10, 127	21, 467
	1925	200	4, 629	5, 083	9, 684	19, 459	9, 774	18, 842
	1923	186	5, 459	6, 484	9, 954	20, 422	10, 468	16, 863
Arizona	1931	292	6, 295	8, 011	37, 954	63, 075	25, 121	
	1929	348	10, 550	15, 075	167, 714	200, 002	32, 289	180, 637
	1927	300	8, 967	12, 133	77, 799	117, 624	39, 825	100, 641
	1925	294	9, 127	11, 506	92, 271	138, 781	46, 511	102, 127
	1923	283	9, 008	12, 635	80, 993	123, 377	42, 384	128, 531
Utah	1931	578	10, 762	12, 511	63, 818	96, 006	32, 188	
	1929	651	15, 601	19, 699	157, 902	214, 629	56, 727	123, 737
	1927	586	13, 585	16, 689	120, 567	163, 118	42, 551	112, 233
	1925	517	15, 077	18, 200	127, 543	177, 225	49, 681	124, 735
	1923	585	14, 945	18, 344	114, 183	161, 607	47, 424	78, 733
Nevada	1931	108	1, 562	2, 516	7, 057	10, 891	3, 835	
	1929	123	2, 200	3, 585	25, 652	33, 717	8, 065	27, 197
	1927	116	2, 419	3, 915	14, 440	26, 816	12, 375	21, 974
	1925	102	2, 670	4, 474	12, 084	21, 627	9, 542	14, 604
	1923	104	3, 365	5, 348	12, 388	22, 243	9, 855	27, 983
Pacific								
Washington	1931	2, 897	71, 014	83, 917	223, 835	418, 922	195, 086	
	1929	3, 672	114, 830	160, 671	428, 413	795, 562	367, 149	814, 891
	1927	3, 344	104, 468	145, 931	389, 885	677, 914	288, 029	680, 408
	1925	3, 216	105, 893	146, 225	372, 759	659, 340	286, 581	748, 110
	1923	3, 029	111, 663	156, 435	372, 044	678, 543	306, 499	593, 330
Oregon	1931	1, 709	42, 267	47, 504	120, 888	231, 880	110, 993	
	1929	2, 463	65, 505	86, 829	205, 227	411, 769	206, 542	418, 324
	1927	1, 779	57, 179	75, 717	187, 771	342, 852	155, 081	339, 511
	1925	1, 908	59, 579	78, 209	193, 609	352, 940	159, 340	387, 749
	1923	1, 909	62, 655	81, 769	195, 922	363, 715	167, 794	322, 297
California	1931	10, 050	205, 126	265, 991	1, 074, 820	1, 865, 943	791, 123	
	1929	12, 019	290, 911	423, 099	1, 754, 158	3, 103, 350	1, 349, 191	1, 569, 086
	1927	10, 066	262, 816	378, 321	1, 504, 655	2, 593, 247	1, 088, 592	1, 339, 695
	1925	9, 638	249, 552	350, 835	1, 474, 887	2, 442, 952	968, 065	1, 133, 310
	1923	9, 220	246, 154	353, 183	1, 283, 465	2, 215, 281	931, 817	971, 315

⁴ Data for the motion-picture industry are included in the figures for 1929 and earlier years, but not in those for 1931. California is the only State in which this industry contributed more than a fraction of 1 per cent of the total value of products. Data for certain items in this industry are shown for 1929 and 1931 in footnote 1, Table 740

Source Bureau of the Census, Department of Commerce,

No. 740.—MANUFACTURES FOR INDUSTRIAL AREAS

NOTE.—The term industrial area signifies an area having as its nucleus an important manufacturing city and comprising the county in which the city is located, together with any adjoining county or counties in which there is great concentration of manufacturing industry. The industrial areas by constituent counties are as follows: Akron area—Summit County, Albany-Schenectady-Troy area—Albany, Rensselaer, and Schenectady Counties, Allentown-Bethlehem area—Lehigh and Northampton Counties, Baltimore area—Baltimore City and Baltimore County, Boston area—Essex, Middlesex, Norfolk, and Suffolk Counties, Bridgeport-New Haven-Waterbury area—Fairfield and New Haven Counties, Buffalo area—Erie and Niagara Counties, Chicago area—Cook, DuPage, Kane, Lake, and Will Counties, Ill., and Lake County, Ind., Cincinnati area—Butler and Hamilton Counties, Ohio, and Campbell and Kenton Counties, Ky., Cleveland area—Cuyahoga and Lorain Counties, Dayton area—Montgomery County, Detroit area—Oakland and Wayne Counties, Hartford area—Hartford County, Indianapolis area—Marion County, Kansas City area—Clay and Jackson Counties, Mo., and Wyandotte County, Kan.; Los Angeles area—Los Angeles County, Milwaukee area—Kenosha, Milwaukee, and Racine Counties, Minneapolis-St. Paul area—Dakota, Hennepin, and Ramsey Counties, New York City area—Bronx, Kings, New York, Queens, Richmond, and Westchester Counties, N.Y., and Bergen, Essex, Hudson, Middlesex, Passaic, and Union Counties, N.J., Philadelphia area—Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pa., and Burlington, Camden, and Gloucester Counties, N.J., Pittsburgh area—Allegheny, Beaver, Washington, and Westmoreland Counties, Providence-Fall River-New Bedford area—Providence County, R.I., and Bristol County, Mass., Reading area—Berks County, Rochester area—Monroe County, St. Louis area—St. Louis City and St. Louis County, Mo.; and Madison and St. Clair Counties, Ill., San Francisco-Oakland area—Alameda, Contra Costa, Marin, San Francisco, and San Mateo Counties, Scranton-Wilkes-Barre area—Lackawanna and Luzerne Counties, Seattle-Tacoma area—King and Pierce Counties, Springfield-Holyoke area—Hampden County, Toledo area—Lucas County, Wheeling area—Brooke, Hancock, and Ohio Counties, W. Va., and Belmont, Columbiana, and Jefferson Counties, Ohio, Worcester area—Worcester County, Youngstown area—Mahoning and Trumbull Counties, Ohio, and Lawrence and Mercer Counties, Pa.

[All figures except number of wage earners in thousands of dollars]

Area	Wage earners (average for the year)		Wages		Value of products		Value added by manufacture	
	1929	1931	1929	1931	1929	1931	1929	1931
United States.....	8,838,743	6,523,026	11,820,973	7,185,971	70,434,863	41,350,466	31,865,294	19,866,787
Total for areas ¹	4,955,639	3,669,715	7,217,233	4,464,492	43,720,476	25,608,791	20,107,500	12,533,316
Akron area.....	67,298	42,995	107,254	55,062	569,053	325,276	281,393	190,310
Albany - Schenectady - Troy area.....	63,112	45,042	90,807	52,497	367,472	199,429	187,722	113,643
Allentown - Bethlehem area.....	58,483	44,809	76,490	45,584	396,185	209,785	191,019	102,422
Baltimore area.....	99,601	81,576	119,017	88,723	949,853	558,985	243,016	246,912
Boston area.....	285,652	228,134	371,695	264,102	1,950,418	1,310,199	973,869	677,198
Bridgeport - New Haven- Waterbury area.....	136,147	102,026	180,875	108,455	862,311	463,274	444,400	269,261
Buffalo area.....	116,212	78,614	171,674	99,953	1,157,752	680,217	493,502	301,692
Chicago area.....	550,903	382,852	869,218	500,331	5,558,331	3,097,673	2,548,490	1,488,673
Cincinnati area.....	114,068	80,264	157,584	93,780	933,201	543,306	439,068	253,885
Cleveland area.....	176,840	121,962	276,161	146,315	1,505,490	763,007	735,276	376,017
Dayton area.....	42,591	31,770	64,793	38,579	330,319	213,490	211,429	138,202
Detroit area.....	293,252	209,188	511,639	276,348	2,844,610	1,557,654	1,229,694	759,538
Hartford area.....	65,482	48,521	89,977	50,999	351,491	183,795	228,723	118,098
Indianapolis area.....	51,117	35,298	67,713	38,915	428,362	243,056	189,918	117,784
Kansas City (Missouri and Kansas) area.....	48,332	37,433	63,705	44,849	741,238	399,797	229,900	134,421
Los Angeles area ¹	106,444	79,034	156,262	103,399	1,190,112	709,480	505,232	312,323
Milwaukee area.....	144,760	96,014	211,345	103,113	1,166,494	579,353	550,269	284,484
Minneapolis-St. Paul area.....	65,148	52,340	84,462	61,269	709,829	442,767	274,836	185,210
New York City area.....	918,206	715,099	1,416,881	980,775	9,424,295	6,166,428	4,510,567	3,160,358
Philadelphia area.....	376,009	283,409	510,841	340,180	2,981,046	1,874,935	1,431,487	939,780
Pittsburgh area.....	227,221	159,116	357,075	192,415	2,015,399	933,223	856,661	404,143
Providence-Fall River- New Bedford area.....	184,895	142,017	203,019	135,954	898,410	536,693	436,835	280,322
Reading area.....	47,350	38,726	61,879	38,287	229,028	128,615	124,831	70,421
Rochester area.....	63,248	47,117	88,898	54,542	420,611	270,816	252,737	174,555
St. Louis area.....	154,321	118,334	198,008	127,828	1,541,964	894,631	623,081	386,682
San Francisco-Oakland area.....	93,797	70,568	138,059	95,891	1,165,683	766,787	463,069	309,001
Scranton-Wilkes-Barre area.....	42,268	35,829	41,516	30,796	185,952	119,762	92,769	67,037
Seattle-Tacoma area.....	47,449	30,816	66,055	37,984	389,775	204,518	161,966	89,006
Springfield-Holyoke area.....	54,208	39,048	70,843	44,212	341,194	199,266	176,824	118,569
Toledo area.....	53,996	31,990	79,926	36,134	479,336	214,230	212,838	96,280
Wheeling area.....	45,906	34,342	70,729	44,505	319,433	199,318	140,067	88,438
Worcester area.....	83,620	65,111	105,060	69,166	462,225	279,034	243,517	149,755
Youngstown area.....	78,903	50,335	138,077	65,540	823,533	341,722	319,505	128,893

¹ Revised to exclude data for the motion-picture industry as follows: Wage earners, 1929, 8,036,193, 11,169; wages, 1929, \$19,560,000, 1931, \$63,245,000, value of products, 1929, \$129,274,000, 1931, \$119,416,000; value added by manufacture, 1929, \$103,816,000, 1931, \$98,758,000. Prior to the 1931 census, this industry was treated as manufacturing and is included in the United States totals for 1929.

Source: Bureau of the Census, Department of Commerce.

No. 741.—INDEXES OF PRODUCTION OF MANUFACTURES AND MINERALS

NOTE.—The manufactures index covers 49 industries and the minerals index 8, prior to 1932. Indexes for 1932 and 1933 exclude copper, data for which are not available for those years, and are, therefore, not strictly comparable with figures for earlier years. Both indexes have been adjusted for seasonal variations and for the number of working days in the month.

[Monthly average 1923-1925=100]

Month	Manufactures							Minerals						
	1927	1928	1929	1930	1931	1932	1933	1927	1928	1929	1930	1931	1932	1933
January.....	106	107	120	105	83	71	63	115	103	116	110	89	77	73
February.....	107	110	118	107	86	68	61	117	102	119	108	87	78	79
March.....	108	109	120	104	87	64	56	120	105	109	98	89	80	81
April.....	108	109	122	104	87	61	65	106	105	114	104	91	80	72
May.....	110	108	123	101	87	59	77	109	106	117	104	87	67	73
June.....	108	109	127	97	82	58	93	106	102	114	102	87	64	84
July.....	107	110	125	92	82	57	101	101	102	116	100	86	65	90
August.....	106	111	122	88	78	59	91	106	105	115	96	79	65	91
September.....	104	114	121	89	75	66	83	104	107	118	94	78	71	87
October.....	102	116	118	86	71	65	76	103	111	116	95	83	74	81
November.....	101	118	110	85	71	63	71	102	114	110	92	81	75	81
December.....	102	120	101	82	72	64	73	102	111	116	93	84	77	85

No. 742.—MANUFACTURING PRODUCTION: INDEXES FOR GROUPS OF INDUSTRIES

NOTE.—Monthly average 1923-1925=100. The monthly figures are adjusted for the varying number of working days in each month and for the normal seasonal variations. In computing the indexes, the individual products and industries have been weighted in accordance with their relative importance.

Year and month	Total ¹	Iron and steel	Textiles	Food products	Paper and printing	Lumber cut	Automobiles	Leather products	Cement	Non-ferrous metals	Petroleum refining	Rubber tires and tubes	Tobacco products
1921.....	67	46	87	83	70	72	41	90	66	39	64	55	85
1922.....	86	82	99	94	85	87	66	102	76	69	74	77	89
1923.....	101	105	105	99	94	101	102	108	92	94	86	86	96
1924.....	94	89	91	103	99	98	91	95	100	99	99	98	99
1925.....	105	106	104	98	107	101	107	97	108	107	115	116	105
1926.....	108	113	104	97	114	98	108	99	110	112	127	116	112
1927.....	106	104	113	96	112	92	86	103	115	109	136	120	118
1928.....	112	119	107	98	119	91	110	102	118	115	152	144	124
1929.....	119	130	115	97	125	91	135	104	114	125	168	135	134
1930.....	95	94	91	93	113	64	85	92	108	97	161	100	131
1931.....	80	60	94	90	106	41	60	90	84	69	155	96	123
1932.....	63	31	83	87	91	25	35	85	51	(2)	140	78	111
1933.....	76	53	97	92	95	32	49	97	42	(2)	145	88	116
1932													
January.....	71	43	89	93	101	26	45	83	65	(2)	140	92	124
February.....	68	41	86	90	98	22	35	87	56	(2)	141	85	114
March.....	64	34	82	84	99	26	28	90	53	(2)	136	73	109
April.....	61	32	65	91	93	27	35	87	46	(2)	144	70	109
May.....	59	29	59	89	90	28	45	82	46	(2)	146	72	110
June.....	58	26	63	82	85	26	47	79	52	(2)	146	107	118
July.....	57	25	69	82	86	25	33	74	50	(2)	141	89	114
August.....	59	23	90	85	84	23	23	81	48	(2)	135	68	108
September.....	65	28	104	94	88	23	24	81	54	(2)	137	64	111
October.....	66	31	99	89	91	24	16	93	55	(2)	137	68	104
November.....	63	31	92	83	87	21	31	92	53	(2)	138	73	104
December.....	64	28	91	84	86	23	60	85	43	(2)	132	67	112
1933													
January.....	63	30	87	88	84	26	48	86	38	(2)	132	59	113
February.....	61	31	83	84	84	20	33	92	41	(2)	132	54	115
March.....	56	22	76	84	82	22	27	84	40	(2)	135	41	99
April.....	65	35	85	101	85	24	43	93	35	(2)	140	65	116
May.....	77	49	108	99	92	30	50	110	42	(2)	147	94	143
June.....	93	72	133	100	101	38	65	114	51	(2)	154	115	135
July.....	101	100	130	100	111	46	69	116	56	(2)	155	143	117
August.....	91	80	114	95	106	46	61	102	50	(2)	153	111	123
September.....	83	66	99	105	104	36	55	92	37	(2)	157	103	115
October.....	76	61	91	85	99	33	45	93	35	(2)	152	90	108
November.....	71	47	89	92	95	30	30	92	39	(2)	145	97	95
December.....	73	61	78	86	97	32	46	94	36	(2)	137	108	123

¹ Includes data for some industries not shown separately in this table. Figures for 1932 are not strictly comparable with those for earlier years owing to the exclusion of copper (smelted), data for which are not available.

² Data not available.

No. 743.—TEXTILE MANUFACTURES: PRODUCTION

NOTE.—In general, most of the articles listed are finished products, but large quantities of partly finished products, especially yarn, made for sale to other establishments of the same or other branches of the textile industry are included. This involves considerable duplication in total value of products and in cost of materials.

Product	Unit	Quantity (thousands of unit specified)			Value (thousands of dollars)		
		1927	1929	1931	1927	1929	1931
COTTON-GOODS AND SMALL-WARES¹							
Total value.....					1,608,941	1,579,792	842,906
Sheetings.....	Sq. yard.....	1,857,476	1,093,167	1,359,686	167,888	146,181	76,906
Print cloth.....	do.....	1,583,861	1,703,025	1,586,339	109,826	121,423	74,506
Voiles.....	do.....	151,654	157,449	124,364	15,012	13,407	8,201
Lawns, nainsooks, cambrics, and similar muslins	do.....	272,454	226,554	181,897	32,101	25,419	15,080
Reps, poplins, and broad-cloths.....	do.....	264,725	308,620	357,465	37,656	40,555	31,815
Pajama checks, dimities, and similar fabrics.....	do.....	114,813	122,109	37,803	10,198	13,085	2,362
Tobacco, cheese, butter, bunting and bandage cloths.....	do.....	680,424	617,411	587,147	19,298	18,100	9,776
Ginghams.....	do.....	290,619	147,120	56,313	37,129	17,717	4,611
Shirtings.....	do.....	378,530	317,046	273,178	55,437	45,771	24,350
Drills.....	do.....	347,776	324,041	184,646	40,668	39,701	15,132
Twills and sateens.....	do.....	413,997	284,117	201,434	50,336	37,441	16,774
Denims.....	do.....	254,118	249,891	202,111	49,792	49,256	25,277
Tickings.....	do.....	59,283	42,411	32,416	10,359	9,280	3,908
Osnaburgs.....	do.....	164,976	145,745	109,081	17,900	18,210	8,059
Napped fabrics.....	do.....	400,097	323,140	288,073	55,386	48,329	27,017
Cottonades and cotton worsteds.....	do.....	32,697	34,838	44,968	8,150	8,357	8,843
Tire duck.....	do.....	35,474	22,277	15,915	11,343	6,846	3,279
Ducks (except tire).....	do.....	218,505	223,926	136,577	57,929	64,184	24,756
Tire fabrics (except tire duck).....	Pound.....	167,188	233,129	123,561	69,631	104,875	37,971
Tapestries.....	Sq. yard.....	18,619	9,810	9,188	16,612	12,995	7,242
Plushes, velvets, velveteens.....	do.....	42,689	52,868	23,794	45,710	40,946	15,898
Corduroys.....	do.....	23,171	27,134	15,702	8,677	9,501	3,682
Towels, towelings, and wash-cloths.....	do.....	169,997	169,694	158,378	42,611	33,037	24,108
Cotton table damask.....	do.....	33,523	35,868	20,524	6,751	8,383	3,651
Blankets.....	do.....	107,263	94,061	71,989	29,452	25,392	12,721
Bedspreads and quilts.....	do.....	71,283	52,902	55,927	18,950	16,396	8,643
Bags made from fabric woven by establishment.....	do.....	17,558	10,486	3,400	3,271	2,032	712
Small wares.....					62,156	65,494	40,303
Yarns for sale.....	Pound.....	664,335	647,725	414,463	253,664	253,349	111,873
Thread.....	do.....	29,992	25,250	19,576	46,409	37,100	20,153
Batting, wadding, and mattress felts.....	do.....	129,836	149,481	114,324	16,304	19,407	12,241
Cotton waste for sale.....	do.....	484,416	443,916	315,808	26,809	32,570	10,641
Other cotton products.....					175,524	195,052	142,517
LACE GOODS							
Total value.....					24,360	27,931	17,086
Nottingham lace curtains.....	Pair.....	5,661	6,113	4,518	10,798	11,250	6,868
Nottingham lace curtain nets.....	Lin. yard.....	19,197	14,313	6,282	5,518	4,675	1,831
Lovers laces.....					6,263	8,756	7,906
Other lace products.....					1,781	3,260	1,068
KNIT GOODS							
Total value.....					801,427	881,176	573,630
Hosiery, except infants' ²	Doz. pair.....	103,167	111,191	96,204	440,573	500,382	313,922
Infants' hose.....	do.....	6,839	6,175	5,529	13,021	11,244	7,689
Shirts and drawers.....	Dozen.....	8,619	8,802	7,959	38,961	37,670	25,286
Union suits.....	do.....	9,786	8,891	6,888	83,685	70,837	40,452
Bathing suits.....	do.....	740	1,021	963	15,857	22,064	12,859
Sweaters, sweater coats, jerseys, etc.....	do.....	3,781	4,807	4,032	74,643	86,429	56,077
Headwear, except infants'.....	do.....	700	783	1,078	3,877	3,783	3,279
Neckties.....	do.....	1,810	628	131	5,853	1,717	327
Dresses and suits.....	Number.....	868	1,023	2,906	6,252	11,160	20,689
Jersey cloth and tricollette.....	Sq. yard.....	342,564	75,521	108,340	34,971	45,375	31,523
Glove and shoe linings.....					4,773	4,665	1,063
Other knit products.....					78,961	82,840	60,500

For footnotes, see p 733.

No 743.—TEXTILE MANUFACTURES: PRODUCTION—Continued

Product	Unit	Quantity (thousands of unit specified)			Value (thousands of dollars)		
		1927	1929	1931	1927	1929	1931
SILK AND RAYON GOODS							
Total value.....					755,658	737,759	422,457
Broad silk.....	Sq yard.....	385,530	424,607	386,294	376,919	385,773	209,838
All silk.....	do.....	127,296	59,452	22,369	108,696	42,210	16,047
Silk mixed.....	do.....	5,484	9,651	7,346	11,909	25,112	12,233
Velvets.....	do.....	1,310	1,957	1,879	2,748	3,830	2,091
Plushes.....	do.....	3,705	3,403	3,834	8,303	6,122	2,586
Upholstery and tapestry.....	do.....	11,409	12,121	9,753	70,247	69,740	32,177
Organsine, tram, and crêpe twist for sale.....	Pound.....						
Spun silk for sale.....	do.....	4,456	3,769	1,914	15,696	12,916	5,269
Machine twist.....	do.....	723	515	300	6,474	4,822	1,551
Sewing, embroidery, and other floss silks.....	do.....	659	335	298	5,768	2,864	2,141
Ribbons.....					36,041	25,008	15,388
Fringes and gumps.....					7,508	7,839	4,075
Braids and binding.....					11,285	4,883	2,584
Other silk and rayon products.....					94,064	146,660	116,477
WOOLEN AND WORSTED GOODS ¹							
Total value.....					808,208	802,876	479,632
Suitings, dress goods, overcoatings, and cloakings. [†]	Sq yard.....	414,320	354,295	295,005	459,453	432,258	268,659
All-wool woolen.....	do.....	136,635	135,354	116,352	167,484	155,938	94,858
All-wool worsted.....	do.....	173,754	166,211	146,742	231,998	238,669	155,044
Wool and cotton mixed.....	do.....	30,433			20,844		
Cotton-warp woolen.....	do.....	46,609	52,730	31,911	24,785	37,651	18,757
Cotton-warp worsted.....	do.....	26,889			14,342		
Domest flannels and shirtings.....	do.....	8,413	14,899	7,061	3,627	5,778	1,960
Satinets and linseys.....	do.....	3,974			1,282		
Blankets, all-wool.....	do.....	17,295	18,095	15,568	12,359	15,831	10,542
Horse blankets.....	do.....	1,069	394	211	631	212	93
Yarns for sale.....	Pound.....	145,763	159,473	141,763	184,024	199,758	129,144
Wools and wool waste for sale.....	do.....	48,520	46,368	35,594	18,526	15,597	7,242
Other woolen and worsted goods.....					128,306	133,442	61,992
FELT GOODS ¹							
Total value.....					39,015	42,294	26,580
Felt cloths.....	Pound.....	6,401	7,075	5,022	15,009	17,113	11,657
Trimming and lining felts.....	do.....	3,708	6,147	4,483	3,122	3,889	2,497
Shoe and slipper felts.....	do.....	5,119	5,148	3,923	5,296	2,982	931
Boot and shoe linings.....	do.....	1,723	1,607	1,121	1,165	1,183	901
Hair felting.....	do.....	31,095			6,075		
All other felts.....	do.....		65,106	50,215	8,348	17,127	10,594
HATS, WOOL-FELT							
Total value.....					7,767	8,031	4,888
Hats.....	Dozen.....	377	400	177	5,033	4,410	1,905
Hat bodies and hats in the rough.....	do.....	379	501	745	2,734	3,621	2,982
CARPETS AND RUGS							
Total value.....					163,289	174,286	86,942
Carpets.....	Sq yard.....	16,872	27,385	13,395	40,778	61,788	25,732
Rugs, made of sewed strips.....	do.....	9,340	3,720	1,338	35,106	14,410	4,007
Rugs, woven whole.....	do.....	41,021	42,306	29,448	87,405	98,089	57,203
WOOL SHODDY							
Total value.....					10,737	13,354	5,197
Recovered wool fiber.....	Pound.....	41,149	60,108	34,514	10,737	13,354	5,197
HATS, FUR-FELT							
Total value.....					93,025	95,278	55,586
Hats.....	Dozen.....	2,013	1,770	1,306	73,084	70,809	39,899
Hat bodies and hats in the rough.....	do.....	1,233	1,534	1,474	19,941	24,469	15,688

For footnotes, see p 733.

No. 743.—TEXTILE MANUFACTURES: PRODUCTION—Continued

Product	Unit	Quantity (thousands of unit specified)			Value (thousands of dollars)		
		1927	1929	1931	1927	1929	1931
CORDAGE AND TWINE AND JUTE AND LINEN GOODS							
Total value.....					130,004	135,989	67,445
Rope, cable, and cordage:							
Manila hemp.....	Pound.....	105,614	114,476	62,550	22,607	22,171	9,425
Sisal.....	do.....	30,712	27,381	22,380	4,439	3,972	2,269
Henequin.....	do.....	12,992	16,120	7,616	1,840	2,447	798
Cotton.....	do.....	27,404	28,096	20,842	7,602	8,299	4,115
Jute.....	do.....	12,256	35,827	18,685	1,884	4,860	1,944
Other.....	do.....	43,673	5,787	3,075	6,270	924	436
Twine, binder ¹	do.....	169,795	178,605	134,256	19,457	18,395	11,458
Twine, cotton.....	do.....	64,208	85,988	48,863	20,160	28,991	10,308
Twine, other.....	do.....	74,065	91,091	70,798	12,813	15,203	9,018
Yarns for sale.....	do.....	88,539	97,935	59,448	15,742	15,467	7,402
Linen thread.....	do.....	2,708	3,103	2,114	4,211	4,510	2,388
Linen woven goods.....	Sq. yard.....		9,430	10,100	3,552	3,365	2,885
Jute bagging.....	do.....	48,272	27,863	31,463	5,200	3,129	1,996
Other products.....					4,227	4,257	3,003
FLOOR COVERING AND OILCLOTH							
Total value.....					95,702	109,327	54,543
Oilcloth (cotton back).....	Sq. yard.....	105,284	125,677	92,703	18,763	23,640	13,506
Linoleum (jute back).....	do.....	49,921	48,272	20,372	42,039	48,744	19,408
Floor covering (felt back).....	do.....	111,793	117,970	87,576	34,900	36,943	21,629
ARTIFICIAL LEATHER							
Total value.....					29,165	31,346	15,025
Pyroxylin coated.....	Sq. yard.....	49,651	65,029	36,993	24,455	30,441	13,344
Other than pyroxylin coated.....	do.....	10,025	862	1,968	4,089	891	1,153
Kind not specified.....					622	14	528

¹ Figures for 1927 are not strictly comparable with those for 1929 and 1931, data for the several classes made as secondary products in other industries are included for 1929 and 1931, but not for 1927.

² Excludes athletic and golf hose which are included with "Other knit products."

³ Excludes cotton jersey which is included with "Other knit products."

⁴ Data for other suitings such as mohair, mohair and cotton mixed, woolen-worsted, etc., are included in the figures for "Other woolen and worsted goods."

⁵ Not including binder twine made in penal institutions as follows: For 1927, 57,808,454 pounds; 1929, 47,322,550 pounds, 1931, 52,161,200 pounds

Source: Bureau of the Census, Department of Commerce

No. 744.—BOOTS AND SHOES (OTHER THAN RUBBER): PRODUCTION

Note.—In thousands of pairs. Detailed value data were not collected at the censuses. For total value of products of the industry see Table 738, p. 713. Data for 1923 to 1933 compiled from monthly reports of manufacturers representing approximately 95 per cent of the total production in the United States for 1922 to 1928, and 98 per cent for 1929 to 1933

Year	Total	Men's ¹	Boys' and youths'	Women's	Misses' and children's	Infants'	Athletic and sporting (leather) ¹	Canvas and other textile	Not specified (including slippers)
1914.....	292,666	98,031	22,896	80,916	48,322	15,477	(?)	(?)	27,024
1919.....	331,225	95,017	26,504	104,813	48,538	16,669	5,586	11,056	28,042
1921.....	286,771	69,458	18,462	101,474	35,066	17,379	5,547	8,602	30,784
1923.....	351,114	100,283	22,239	109,676	40,136	27,015	6,434	8,347	36,984
1925.....	323,553	86,546	21,021	104,782	38,691	24,587	5,914	8,564	33,448
1927.....	343,606	95,328	24,229	116,259	39,650	24,542	1,488	3,301	38,808
1928.....	344,351	90,970	23,032	123,753	37,135	23,835	1,547	3,760	40,319
1929.....	361,402	94,770	22,993	131,303	39,927	23,750	1,768	3,121	43,770
1930.....	304,170	77,147	18,530	112,629	32,037	18,558	1,728	2,593	40,948
1931.....	316,240	77,420	20,047	112,603	34,308	18,546	1,708	4,750	46,858
1932.....	313,290	74,493	18,100	113,944	33,600	15,653	1,111	6,132	50,256
1933.....	350,382	88,821	19,944	130,742	33,180	18,578	1,316	4,637	53,163

¹ Figures beginning 1927 are not strictly comparable with earlier years owing to the fact that considerable quantities of heavy footwear now included with men's shoes were included with "Athletic and sporting shoes (leather)," prior to 1927

² Not reported separately; included with "not specified, etc."

Source: Bureau of the Census, Department of Commerce.

No. 745.—LEATHER: PRODUCTION BY PRINCIPAL TYPES OF RAW STOCK
 [Cattle hide in thousands of hides, other figures in thousands of skins]

Year	Cattle hide	Calf and kip	Goat and kid	Sheep and lamb	Year	Cattle hide	Calf and kip	Goat and kid	Sheep and lamb
1925-----	22,321	13,877	42,486	33,089	1930-----	17,676	14,173	55,444	30,392
1926-----	21,482	15,744	49,775	31,665	1931-----	16,235	12,439	48,639	32,429
1927-----	21,835	16,986	50,735	36,062	1932-----	14,583	11,579	37,010	27,560
1928-----	20,205	15,618	54,854	38,724	1933-----	17,057	13,030	44,312	35,093
1929-----	19,148	15,368	55,687	38,980					

No. 746.—LEATHER: PRODUCTION BY PRINCIPAL KINDS

NOTE—For value of products of the tanning industry see Table 738, p 713

Kind	1925	1926	1927	1928	1929	1930	1931
Sole leather, cattle—1,000 backs, bends, sides—	14,879	13,615	15,829	16,138	14,516	15,513	12,755
Belting leather—1,000 butts and butt bends—	809	858	929	847	990	822	532
Harness leather—1,000 sides—	1,288	1,169	1,016	813	642	506	358
Bag, case, and strap leather—do—	1,175	1,183	1,105	812	947	751	624
Upholstery leather—							
Whole-hide grains—1,000 hides—	463	405	354	321	273	186	201
Machine buffed—do—	163	196	148	149	141	53	47
Whole-hide splits—1,000 pieces—	832	807	938	709	672	388	393
Upper leather (other than patent)— ¹							
Cattle (including kip side)—1,000 sides—	15,338	15,476	13,459	11,485	12,610	11,112	12,084
Calf and kip—1,000 skins—	13,621	14,943	16,150	14,975	14,541	13,589	12,030
Goat and kid—do—	40,887	48,415	49,417	52,862	54,355	54,451	47,980
Cabretta—do—	2,412	2,344	1,551	2,064	1,672	1,972	1,770
Sheep and lamb—do—	14,124	13,973	14,849	16,952	17,752	10,955	12,307
Patent leather (other than upholstery)— ¹							
Cattle (including kip side)—1,000 sides—	8,628	7,459	8,388	7,831	5,954	4,626	4,501
Horse and colt—1,000 half-fronts—	684	610	416	425	271	124	110
Goat and kid—1,000 skins—	991	504	430	734	302	495	159
Glove and garment leather— ¹							
Horse, colt, ass, and mule—							
Half-fronts—thousands—	1,146	1,009	1,459	1,500	1,857	2,170	1,646
Shanks—do—	1,011	1,143	1,154	1,301	1,420	1,497	1,523
Cabretta—1,000 skins—	1,678	2,071	1,820	1,014	1,066	1,155	1,352
Sheep and lamb—do—	5,326	5,297	7,576	9,026	8,633	9,298	10,934
Fancy and bookbinders' leather— ¹							
Sheep and lamb—1,000 skins—	1,984	2,369	2,825	3,201	2,618	1,912	2,044
Goat and kid—do—	541	664	717	1,116	889	398	422
Splits (other than upholstery) finished and rough—1,000 side splits—	24,023	24,617	24,645	21,945	22,405	19,315	17,666

¹ Figures shown for principal kinds only.

No. 747.—RUBBER PRODUCTS

Product	Unit	Quantity (thousands of unit specified)			Value (thousands of dollars)		
		1927	1929	1931	1927	1929	1931
Total value—					1,226,479	1,111,631	612,412
Tires and inner tubes.							
Pneumatic—							
Motor-vehicle—	Number	134,405	143,808	98,309	739,070	654,103	358,997
Motor cycle and bicycle—	do	3,046	3,737	2,835	3,695	3,634	2,411
Solid and cushion—							
Truck—	do		424	112			
All other—	do				36,768	14,897	4,055
Boots, rubber—	Pair	5,362	5,454	1,971	16,746	16,141	4,775
Shoes and overshoes, rubber—	do	71,677	51,357	27,145	90,994	64,883	26,378
Shoes, canvas, with rubber soles—	do	28,810	43,954	28,082	25,456	30,335	17,155
Heels, for sale as such—	do	318,346	292,719	248,257	25,504	17,927	11,648
Soles, including composition or fiber—	do	40,820	46,189	59,609	9,341	8,960	8,388
Rubberized fabrics, sold as such or on hand—							
Automobile and carriage—	Yard	17,363	22,408	10,425	11,048	11,864	5,398
All other—	do	38,445	70,560	53,574	15,493	17,890	12,255
Belting—					21,947	25,776	13,608
Hose and tubing—					41,472	40,982	22,114
Packing—	Pound	15,019	17,923	9,266	4,853	5,033	2,209
Druggists' and stationers' sundries—					15,732	16,894	12,333
Hard-rubber goods—					18,891	17,937	11,457
All other manufactures of rubber—					122,096	136,242	87,846
Reclaimed rubber—	Pound	330,436	363,696	216,509	27,373	23,906	9,985

Sources: Table 745, Tanners' Council of America, Tables 746 and 747, Bureau of the Census, Department of Commerce.

No 748.—CHEMICALS. PRODUCTS MADE FOR SALE

NOTE.—In addition to quantities shown in the table, made for sale, large quantities of certain chemicals, especially acids, are made and consumed in further processes in the same establishment. There is considerable duplication in the total value of products due to the use of products sold by one establishment as materials for other establishments manufacturing chemicals. Tons are of 2,000 pounds

Product	Unit	Quantity (thousands of unit specified)			Value (thousands of dollars)		
		1927	1929	1931	1927	1929	1931
Total value					610, 143	758, 815	548, 621
Acids							
Acetic (dilute and glacial).....	Pound.....	¹ 46, 297	¹ 66, 364	¹ 62, 586	5, 049	6, 890	3, 537
Boric (boracic).....	do.....	21, 010	26, 055	18, 128	1, 583	1, 541	970
Carbonic (carbon dioxide CO ₂).....	do.....	74, 344	136, 930	² 153, 575	6, 048	6, 932	6, 226
Citric.....	do.....	7, 058	10, 756	8, 381	3, 151	4, 833	3, 060
Hydrochloric (muriatic).....	Ton.....	162	¹ 63	¹ 41	3, 016	3, 195	2, 422
Mixed (sulphuric-nitric).....	do.....	61	64	38	3, 821	4, 214	1, 800
Nitric.....	do.....	29	¹ 33	¹ 31	3, 559	3, 495	3, 382
Oleic.....	Pound.....	55, 686	56, 948	29, 946	4, 778	5, 375	1, 872
Phosphoric.....	do.....	22, 397	34, 674	³ 19, 096	1, 682	2, 073	761
Stearic.....	do.....	37, 277	39, 154	24, 868	3, 832	5, 488	2, 057
Sulphuric (basis 50° B).....	Ton.....	4, 972	5, 816	4, 230	42, 886	45, 573	33, 075
Sulphuric, reclaimed (50° B).....	do.....	191	381	356	1, 089	1, 389	1, 320
Tannic.....	Pound.....	1, 297	1, 449	667	593	504	251
Tartaric.....	do.....	5, 781	4, 906	5, 181	1, 811	2, 060	1, 463
Other.....	do.....				5, 278	5, 057	4, 236
Aluminum compounds and alums							
Aluminum sulphates.....	Ton.....	314	345	309	8, 013	8, 039	6, 672
Aluminous abrasives.....	do.....	20	33	7	1, 970	3, 446	1, 152
Other.....	do.....				3, 580	4, 464	2, 937
Coal-tar products							
Crudes ⁴					24, 862	26, 370	20, 778
Intermediates.....					22, 845	25, 594	18, 907
Finished products.....					58, 350	78, 688	63, 403
Nitrogen compounds							
Ammonia (aqua and liquor).....	Pound.....	46, 225	⁵ 30, 200	⁵ 18, 831	1, 260	1, 784	1, 032
Ammonia (anhydrous).....	do.....	45, 115	173, 349	127, 099	4, 011	10, 673	8, 044
Other ammonium compounds.....					6, 325	3, 507	3, 419
Cyanogen compounds							
Ferric ferrocyanide (Prussian blue).....	Pound.....	4, 104	4, 803	3, 507	1, 365	1, 446	1, 134
Other.....	do.....				4, 946	6, 337	4, 590
Nitrous oxide (laughing gas).....	Gallon.....	66, 392	109, 812	94, 607	810	1, 196	923
Other.....	do.....				7, 369	13, 393	14, 342
From coke-oven operations not included in total value (Bureau of Mines)							
Ammonium sulphate.....	Pound.....	1, 225, 625	1, 350, 154	905, 245	23, 905	24, 174	11, 469
Liquor (NH ₃ equivalent).....	do.....	49, 011	51, 762	33, 982	2, 335	2, 687	1, 390
From the manufactured-gas industry not included in total value							
Ammonium sulphate.....	do.....	56, 078	92, 827	112, 719	1, 256	1, 728	1, 456
Ammonia (NH ₃).....	do.....	14, 795	13, 010	9, 673	498	446	265
Plastics							
Pyroxylin.....	do.....	16, 298	16, 991	12, 008	14, 410	17, 266	11, 114
Finished articles of pyroxylin.....					6, 801	10, 522	6, 545
Other.....	do.....				6, 992	11, 946	10, 188
Potassium compounds							
Bitartrate (cream of tartar).....	Pound.....	7, 595	7, 853	6, 881	1, 747	1, 931	1, 572
Iodide.....	do.....	528	444	380	1, 897	1, 487	1, 291
Other.....	do.....				5, 662	6, 580	5, 250
Sodium compounds							
Bichromate and chromate.....	Ton.....	31	39	25	3, 780	5, 137	3, 162
Borate (borax).....	do.....	65	92	80	5, 079	3, 280	2, 432
Carbonates							
Soda ash.....	do.....	1, 466	1, 814	1, 509	29, 939	34, 649	22, 493
Sal soda.....	do.....	55	58	50	1, 371	1, 523	1, 319
Bicarbonate.....	do.....	121	140	128	3, 647	4, 062	3, 731
Caustic (hydroxide).....	do.....	547	725	634	29, 193	36, 089	26, 565
Repacked caustic ⁶	do.....	21	17	23	4, 128	3, 612	3, 857
Hydrochlorite.....	do.....	15	27	32	1, 141	2, 016	2, 574
Phosphates.....	do.....	96	146	146	6, 985	8, 965	8, 146
Silicate (basis 40°).....	do.....	505	590	664	6, 826	7, 179	7, 502
Sulphates							
Salt cake.....	do.....	175	170	99	2, 787	2, 015	1, 528
Glauber's salt.....	do.....	53	62	49	1, 082	1, 112	847
Hyposulphite (thiosulphate).....	do.....	24	25	24	993	906	969
Niter cake (bisulphate).....	do.....	121	83	31	625	1, 023	564
Sulphide.....	do.....	38	33	23	1, 692	1, 407	1, 033
Other.....	do.....				14, 611	24, 680	21, 899

¹ Basis 100 per cent ² Includes approximately 80,000,000 pounds piped to plants making "Dry ice"

³ Basis 50 per cent ⁴ Does not include by-product crudes made in coke and gas works.

⁵ Ammonia (NH₃) content.

⁶ Purchased in bulk

No. 748.—CHEMICALS: PRODUCTS MADE FOR SALE—Continued

Product .	Unit	Quantity (thousands of unit specified)			Value (thousands of dollars)		
		1927	1929	1931	1927	1929	1931
Miscellaneous.							
Aluminum metal, primary-----	Pound----	160,000	225,000	177,544	39,266	51,864	37,284
Arsenic—							
Arsenate of calcium-----	do-----	27,282	33,064	26,129	1,665	1,860	1,280
Arsenate of lead-----	do-----	21,528	30,682	37,974	3,190	3,523	3,674
Barium compounds-----	-----				1,607	2,234	1,526
Bismuth compounds-----	-----				938	898	882
Butyl acetate-----	Gallon----	2,342	4,524	4,664	3,613	5,080	3,492
Calcium—							
Acetate-----	Ton-----	69	58	26	4,021	4,695	870
Carbide-----	do-----	202		128	9,398	(7)	8,024
Chloride-----	do-----	8 191	8 277	8 232	4,443	5,947	4,725
Hypochlorite-----	do-----	111	93	04	4,148	3,351	2,074
Phosphate-----	do-----	34	38	41	4,914	5,557	5,591
Other-----	-----				2,558	14,728	2,188
Carbon bisulphide-----	Pound----	44,972	71,010	83,045	2,160	2,860	3,200
Carbon tetrachloride-----	do-----	17,026	32,713	34,096	1,036	1,728	1,720
Cobalt compounds and alloys-----	-----				518	770	469
Copper sulphate (blue vitriol)-----	Pound----	56,667	78,669	60,981	2,774	4,345	2,184
Ethyl acetate-----	Gallon----	4,607	10,932	5,457	3,701	9,007	2,450
Ferro-alloys (electric-furnace)-----	Ton-----	197	247	146	17,049	28,655	13,200
Glycerin, refined-----	Pound----	89,585	113,140	102,510	19,185	12,716	10,316
Hydrogen peroxide-----	do-----	21,443	8 509	8 125	1,506	2,372	3,293
Iron sulphate (copperas)-----	Ton-----	62	56	31	673	554	280
Silver nitrate-----	Ounce-----	4,897	5,647	5,597	1,957	2,016	1,199
Sulphur, refined-----	Ton-----	44	78	67	1,799	3,066	2,069
Tin, salts, and compounds-----	-----				10,583	13,112	6,700
Vanillin-----	Pound----	300	317	172	1,823	1,858	778
All other chemicals-----	-----				91,216	126,861	98,046
Intergroup duplications-----	-----				¹⁰ 11,068	¹⁰ 22,375	¹⁰ 27,207

⁷ Included in "Other calcium compounds"⁸ Basis 73 to 79 per cent.⁹ Basis 100 volumes¹⁰ Because of intergroup duplication the sum of the various products exceeds the total value of all products by this amount. For example, nitric acid is shown under "Acids" and is also included under "Other nitrogen compounds," likewise phenolic resins are included under "Coal-tar products" and under "Plastics"

No. 749.—NATURAL DYESTUFFS AND TANNING MATERIALS: PRODUCTION

Product	Quantity (thousands of pounds)			Value (thousands of dollars)		
	1927	1929	1931	1927	1929	1931
Total value-----				30,929	33,615	24,091
Natural dyestuffs.						
Extracts (logwood and quercitron)-----	22,226	21,758	18,469	1,680	2,015	1,314
Other extracts, and ground, chipped, and dry product-----				389	411	302
Tanning extracts:						
Oak and chestnut-----	319,155	277,989	232,662	5,671	4,296	3,394
Sumac-----	5,525	5,279	5,809	277	344	370
Quebracho-----	124,557	100,067	70,469	3,010	3,229	1,857
Other-----				2,064	1,937	2,116
Other tanning materials-----				409	152	98
Mordants-----				959	1,173	866
Sizes						
Dextrin-----	31,917	33,507	25,164	2,093	2,043	1,513
Rosin-----	157,691	201,290	143,924	5,869	6,000	2,903
Gum, other than rosin-----	16,042	20,138	22,330	920	1,401	1,211
Starches, glue, and other-----	30,980	42,361	29,560	2,405	3,612	2,425
Turkey red oil-----	15,580	24,261	13,550	1,560	2,542	1,291
Softeners-----	23,331	31,613	33,111	1,798	2,248	1,972
Other assistants-----				1,825	2,103	2,459

Source of Tables 748 and 749 Bureau of the Census, Department of Commerce.

No. 750.—MISCELLANEOUS INDUSTRIES INVOLVING CHEMICAL PROCESSES: CENSUS STATISTICS OF PRODUCTS

NOTE.—Only major products of a fairly sharply defined character, and in general only those for which quantitative data are available are shown. See also chemicals (Table 748), petroleum refining (Table 719), manufactured gas (Table 710), etc. Semifinished products made for consumption in the same establishment are not included, except where otherwise stated, but there is some duplication in total value of products in certain branches, due to the use of such products as materials by other establishments in the same industry. Tons are of 2,000 pounds

Product	Quantity (thousands of unit specified)				Value (thousands of dollars)		
	Unit	1927	1929	1931	1927	1929	1931
BONE BLACK, CARBON BLACK, AND LAMPBLACK							
Total value.....					14,519	20,704	10,230
Bone black.....	Pound.....	59,359	54,277	33,214	2,524	2,490	1,288
Carbon black ¹	do.....	198,429	283,806	280,907	10,955	17,028	8,621
Lampblack.....	do.....	8,800	10,765	3,424	1,040	1,185	321
FERTILIZERS							
Total value.....					173,810	222,731	140,718
Complete fertilizers.....	Ton.....	5,088	5,992	4,545	128,380	168,838	110,173
Superphosphates, including concentrated phosphates, for sale.....	do.....	2,435	² 2,531	² 1,968	30,003	28,375	20,678
Other fertilizers.....	do.....	600	797	455	15,427	25,517	9,867
PAINT AND VARNISH							
Total value.....					527,109	574,880	362,064
Pigments, colors, for sale.....	Pound.....	1,773,889	1,918,459	1,206,006	105,756	116,753	69,428
Paints in paste form.....	do.....	408,722	401,546	242,528	49,554	46,666	26,191
Ready mixed paints.....	Gallon.....	94,071	106,165	78,249	165,664	178,242	121,156
Water paints and kalsomine, dry or in paste.....	Pound.....	122,456	155,811	122,823	6,321	7,093	5,265
Plastic paints.....	do.....	(³)	(³)	14,561	(³)	(³)	1,393
Varnishes, japans, lacquers, enamels, and allied products.....	do.....				178,231	204,881	125,310
Quantity reported.....	Gallon.....	106,452	126,874	88,210	170,579	196,511	121,797
Quantity not reported.....	do.....				7,652	8,370	3,513
FILLERS							
Liquid.....	Gallon.....	566	495	204	722	683	236
Paste and dry.....	Pound.....	41,486	30,613	19,486	2,109	1,954	975
Putty.....	do.....	102,703	99,163	69,907	4,255	4,253	2,992
Bleached shellac.....	do.....	10,611	11,140	10,731	5,015	5,431	2,619
Stains, varnish.....	Gallon.....	2,413	2,160	1,726	4,712	4,381	2,542
Stains, other.....	do.....	3,834	3,534	3,038	4,771	4,541	3,957
SOAP							
Total value.....					249,219	286,757	238,062
Hard soaps.....	Pound.....	⁴ 2,435,148	2,587,955	2,572,895	⁴ 212,475	235,581	197,185
Toilet soaps.....	do.....	⁴ 287,096	324,384	305,638	⁴ 53,573	59,933	53,064
Soap chips and flakes.....	do.....	373,216	387,925	351,077	39,423	41,764	30,353
Laundry and foot soaps.....	do.....	1,502,183	1,487,012	1,451,119	93,092	93,866	69,598
Granulated and powdered soaps.....	do.....	215,919	337,291	421,804	21,017	35,725	40,977
All other hard soaps.....	do.....	56,133	51,343	43,257	5,371	4,243	3,193
Soap powders, including commodities reported as cleansing and washing powders.....	do.....	484,464	505,529	⁵ 426,779	24,024	23,387	⁵ 18,442
Soft soap.....	do.....	79,773	66,141	42,285	4,231	3,951	2,246
Liquid soap.....	do.....	24,934	35,263	33,627	3,240	3,497	2,421
Shaving soap, cream, and powder.....	do.....				(⁶)	10,794	11,553
Paste soap.....	Pound.....	30,459	40,526	31,623	2,259	3,010	1,976
Special soap articles.....	do.....	⁶ 33,250	6,444	7,904	⁶ 2,643	766	415
Soap stock or soap base, for sale.....	do.....	3,179	4,106	8,978	347	292	547
Soaps not reported by kind.....	do.....		49,513	34,441		5,478	3,275
COMPRESSED AND LIQUEFIED GASES							
Total value.....					61,864	71,293	56,706
Acetylene.....	Cu ft.....	682,481	960,534	742,898	16,196	16,554	12,912
Chlorine for sale.....	Pound.....	180,163	289,855	255,511	6,678	7,113	5,248
Carbon dioxide (not solid).....	do.....	74,344	136,930	⁷ 153,575	6,048	6,932	6,226
Hydrogen.....	Cu ft.....	103,714	207,843	493,518	742	1,423	857
Oxygen.....	do.....	2,359,896	3,140,095	2,050,377	23,987	23,410	16,411
Nitrous oxide (laughing gas).....	Gallon.....	66,392	109,812	84,607	⁸ 810	1,196	923
Dry ice (solid carbon dioxide).....	Pound.....	(⁹)	(⁹)	84,954	(⁹)	(⁹)	2,900
Other gases.....	do.....				7,403	14,665	11,129

¹ From reports of the Bureau of Mines

² Basis 16 per cent available phosphoric acid.

³ Data not reported separately

⁴ Figures include shaving soap.

⁵ Production by establishments in the soap industry only; in addition "Cleansing preparations containing soap," valued at \$9,392,000, were made by establishments in other industries. No data collected prior to 1931.

⁶ Due to a change in classification, figures are not strictly comparable with those for later years.

⁷ Includes approximately 80,000,000 pounds piped to plants making "Dry ice."

No. 750.—MISCELLANEOUS INDUSTRIES INVOLVING CHEMICAL PROCESSES:
CENSUS STATISTICS OF PRODUCTS—Continued

Product	Quantity (thousands of unit specified)				Value (thousands of dollars)		
	Unit	1927	1929	1931	1927	1929	1931
DRUGGISTS' PREPARATIONS							
Total value.....					108,502	124,989	107,313
Caffeine.....	Pound..	399	442	372	1,178	1,104	953
Cocain.....	do.....	9	14	16	1,169	1,086	1,799
Morphine.....	do.....	11	8	8	1,891	1,081	856
Other alkaloids and derivatives.....					3,416	3,858	4,069
Biological products.....					18,411	16,850	14,821
Tinctures, fluid extracts, medicinal syrups, and other liquid preparations not otherwise accounted for.....					38,612	49,486	33,595
Pills, tablets, powders, etc., not otherwise accounted for.....					41,745	46,184	47,211
Pharmaceutical metals and their salts.....					2,580	4,439	4,008
PATENT AND PROPRIETARY MEDICINES							
Total value.....					184,073	211,840	175,800
For sale to the general public.....					140,679	154,899	123,393
Ethical specialties (dispensed on prescription).....					43,394	56,941	52,407
PATENT AND PROPRIETARY COMPOUNDS							
Total value.....					84,132	101,913	78,076
Antiseptics.....					17,864	21,799	22,432
Liquid deodorants.....	Pound..	⁸ 6,378	⁸ 10,871	⁹ 4,893	⁸ 1,517	⁸ 3,451	⁹ 599
Block and crystal deodorants.....	do.....	⁸ 514	⁸ 1,503	⁹ 1,032	⁸ 380	⁸ 961	⁹ 612
Powder deodorants.....	do.....	⁸ 1,672	⁸ 1,937	⁹ 956	⁸ 347	⁸ 370	⁹ 195
Other deodorants.....	do.....	⁸ 630	⁸ 638	⁹ 247	⁸ 329	⁸ 251	⁹ 95
Coal-tar disinfectants.....	do.....	23,231	21,774	21,790	3,825	4,637	3,696
Pine-oil disinfectants.....	do.....	2,897	1,832	3,002	442	427	614
Chloride of lime and chlorine products.....	do.....	1,391	2,836	4,498	124	536	562
Other disinfectants.....	do.....	7,284	11,281	3,168	1,698	1,731	540
Germicides.....					2,238	2,483	1,469
Sprays, fly.....	Pound..	18,408	36,685	32,359	6,101	9,323	9,268
Insect powder (pyrethrum).....	do.....	2,731	5,542	4,739	1,772	2,447	1,551
Fluoride powders and mixtures.....	do.....	615	701	905	310	385	416
Moth repellants.....	do.....	3,680	2,864	5,206	1,104	800	1,551
Other household insecticides.....	do.....	14,197	8,955	9,027	3,621	2,123	1,698
Agricultural insecticides and fungicides.....					8,732	10,340	6,965
Disinfectants and household insecticides, not reported by kind.....						3,345	942
All other compounds.....					33,679	36,504	24,583
PERFUMES, COSMETICS, AND OTHER TOILET PREPARATIONS							
Total value.....					178,474	201,689	166,257
Perfumes.....					15,301	19,198	10,351
Toilet waters.....					8,469	8,264	4,653
Creams other than shaving creams.....					29,219	33,347	25,125
Lip sticks and lip rouges.....					11,493	12,309	5,100
Other rouges.....							5,630
Dentifrices.....					30,693	32,464	35,699
Hair dyes.....					3,119	3,327	2,999
Hair tonics.....					11,639	10,339	7,384
Face powders.....					21,583	24,038	18,872
Talcum powders.....					8,003	8,344	8,418
Other toilet powders.....					3,097	2,340	2,543
Shampoos.....					3,825	5,797	4,087
All other toilet preparations.....					32,036	41,923	35,397
ICE, MANUFACTURED							
Total value.....					184,400	209,008	189,410
Ice							
Ice industry.....	Ton.....	¹¹ 39,058	¹¹ 44,477	¹¹ 42,355	178,639	204,422	185,241
Can ice.....	do.....	¹² 38,865	44,357	42,253	¹² 177,765	203,915	184,821
Plate ice.....	do.....	193	120	97	874	507	420
Other industries.....	do.....	1,229	991	913	5,761	4,586	4,168

⁸ For personal and other uses⁹ For other than personal uses

¹⁰ Production in the drug industries only This item consists principally of calcium and lead arsenates and lime-sulphur solution, data for which are included in figures for these commodities shown in Table 748

¹¹ In addition the following tonnages of ice manufactured in ice-cream establishments were reported by a part of the ice-cream industry only 1927, 1,309,328 tons, 1929, 740,146 tons; 1931, 427,611 tons.

¹² Includes data for a small amount of plate ice.

No. 751.—PRINTING AND PUBLISHING: CENSUS STATISTICS

Publications	1923	1925	1927	1929	1931
	Value (thousands of dollars)				
Total	2, 021, 369	2, 241, 095	2, 473, 902	2, 711, 607	2, 179, 523
Newspapers and periodicals, printed and published or published only.....	1, 154, 786	1, 321, 611	1, 459, 688	1, 580, 565	1, 293, 777
Newspapers.....	803, 497	892, 094	977, 648	1, 073, 119	886, 523
Periodicals, other than newspapers.....	351, 289	429, 517	482, 040	507, 445	407, 254
Subscriptions and sales.....	360, 893	398, 338	429, 467	460, 326	425, 267
Advertising.....	793, 893	923, 273	1, 030, 221	1, 120, 238	868, 510
Books and pamphlets, printed and published or published only.....	135, 279	154, 991	178, 163	199, 015	146, 438
Newspapers, periodicals, books, and pamphlets, printed for publication by others ¹	80, 088	103, 205	109, 732	129, 518	156, 737
Sheet music and books of music.....	14, 163	14, 133	17, 147	16, 538	12, 204
General job printing, composition sold to the trade, ready prints, and paper patterns.....	637, 053	647, 155	709, 173	785, 971	² 570, 367
	Aggregate circulation per issue (average for the year)				
Newspapers and periodicals.....	35, 733, 107	38, 039, 682	42, 343, 210	42, 947, 824	42, 124, 651
Daily.....	24, 511, 693	25, 630, 056	27, 695, 859	29, 011, 648	27, 453, 465
Triweekly.....	431, 504	400, 730	468, 534	311, 777	215, 694
Semiweekly.....	2, 024, 683	1, 934, 095	2, 026, 760	2, 982, 184	2, 637, 126
Weekly.....	47, 860, 508	50, 815, 443	55, 985, 413	53, 378, 350	46, 954, 782
Monthly.....	91, 654, 028	111, 875, 957	120, 693, 490	133, 048, 488	122, 670, 528
Quarterly.....	22, 197, 918	22, 840, 186	21, 247, 360	20, 605, 002	19, 575, 617
All other classes.....	7, 629, 173	8, 450, 308	8, 156, 399	11, 514, 355	8, 353, 006

¹ The inclusion of this item results in duplication in the total value of products since it represents amounts paid by publishers for work done for them, and consequently enters into the production cost and the "Value of products" (receipts for subscriptions and sales and advertising), reported by the publishers.

² In addition, lithographed labels, tags, and greeting cards valued at \$29,275,000 were reported by establishments in other industries.

No. 752.—ENGINES, WATER TURBINES, TRACTORS, AND LOCOMOTIVES

[Value in thousands of dollars]

Class	1923	1925	1927	1929	1931
Total	407, 038	310, 556	364, 854	464, 553	159, 937
Steam engines	26, 765	24, 411	22, 573	32, 415	14, 883
Reciprocating marine.....	1, 170	636	1, 703	5, 137	493
Reciprocating stationary and portable.....	12, 882	7, 962	5, 406		1, 624
Stationary turbines.....	10, 328	14, 055	14, 499	27, 278	8, 427
Marine turbines.....	(1)	(1)	965		4, 339
Not reported as to type.....	2, 385	1, 758			
Internal-combustion engines (not including tractors)	110, 752	117, 894	141, 161	166, 634	68, 279
Diesel and semi-Diesel type—					
Marine (Diesel).....	14, 013	7, 353	7, 062	11, 430	4, 876
Other.....		15, 876	13, 347	15, 369	6, 978
Other internal-combustion engines—					
Marine—					
Stationary.....	8, 492	8, 833	7, 370	7, 111	5, 528
Detachable.....		2, 561	5, 553	7, 852	2, 352
Motor vehicle ²	³ 59, 074	³ 55, 624	63, 636	50, 654	18, 792
Other stationary and portable.....	29, 173	27, 648	34, 699	49, 251	15, 973
Aircraft engines ⁴			9, 494	24, 966	13, 780
Tractors and traction engines	78, 320	102, 905	136, 950	196, 997	57, 537
Tractors, internal-combustion.....	76, 427	102, 647	136, 836	196, 953	
Traction engines, steam.....	1, 893	258	113	44	
Water turbines	6, 732	5, 338	5, 441	5, 028	6, 889
Engines and turbines not specified as to kind of power.....		⁵ 13, 707	414	676	
Locomotives, steam.....	184, 469	46, 301	58, 315	62, 805	12, 349

¹ No data.

² Excluding engines built for installation in motor vehicles manufactured in the same establishments.

³ Includes some aviation engines for 1923 and 1925 and a few motor-cycle engines for 1923.

⁴ Excluding engines built for installation in aircraft manufactured in the same establishment. Data prior to 1927 included with motor vehicle and other stationary and portable engines (see footnote 3).

⁵ Reported as secondary products by establishments in other industries, tractor trucks also included.

Source of Tables 751 and 752: Bureau of the Census, Department of Commerce.

No. 753.—MACHINE TOOLS: NUMBER AND VALUE, BY KINDS

Kind	Number		Value (thousands of dollars)	
	1929	1931	1929	1931
Machine tools, total value.....			186, 374	58, 712
Boring machines.....				
Horizontal and vertical.....	416	84	2, 296	795
Special types and combinations.....	(1)	(1)	3, 917	1, 124
Drilling machines.....				
Horizontal, vertical, and radial.....	11, 290	2, 376	14, 945	3, 340
Combination vertical and horizontal, automatic, bench, and vertical universal head.....	(1)	(1)	2, 349	2, 065
Gear-cutting machines.....	2, 216	(1)	8, 980	3, 569
Grinding machines.....	(1)	(1)	22, 102	8, 662
Lathes.....				
Engine, except gap lathes.....	8, 693	2, 807	11, 759	2, 768
Automatic and hand-operated horizontal turret.....	8, 260	(1)	31, 334	6, 026
Other.....	1, 279	(1)	4, 912	1, 009
Milling machines.....	5, 667	(1)	16, 857	3, 845
Planers.....	268	52	2, 517	429
Portable tools (electric and pneumatic).....				
Drills.....				
Number reported.....	133, 369	61, 399	27, 033	3, 683
Number not reported.....		(1)		318
Grinders.....	56, 844	14, 986	3, 547	1, 032
Hammers.....	55, 130	13, 085	23, 549	1, 231
Other, including portable motor-driven garage equipment, etc.....	(1)	(1)	5, 639	5, 779
Shapers (horizontal).....	1, 677	225	2, 804	444
Threading machines (except for pipe).....	(1)	595	2, 792	1, 010
All other machine tools.....			39, 042	11, 583

¹ Data incomplete.

² Not strictly comparable with figures for 1931; includes data for rock drills, tampers, etc.

Source. Bureau of the Census, Department of Commerce

No. 754.—MACHINERY: VALUE OF THE PRINCIPAL CLASSES MANUFACTURED

NOTE.—Values in thousands of dollars. The various classes of machinery listed are products of a number of industries, such as "foundry and machine-shop products," "agricultural implements," "aircraft," "cash registers, adding and calculating machines," "dairymen's, poultrymen's, and apiarists' supplies," "electrical machinery, apparatus, and supplies," etc. This table is not an industry presentation, but a special presentation giving value of products for groups designated. The values are in part duplicated in other tables in this abstract, such as Tables 752, 753, 755, and 756

Class	1923	1925	1927	1929	1931
Agricultural machinery.....	82, 130	93, 222	129, 595	167, 673	49, 954
Aircraft.....	9, 077	8, 102	14, 505	51, 508	22, 405
Bakers' machinery and equipment.....	14, 451	17, 212	20, 015	21, 730	10, 876
Blowers and fans.....	14, 386	16, 210	20, 438	25, 243	15, 323
Bottling machinery.....	5, 969	10, 139	11, 584	11, 032	5, 653
Clay-working machinery (brick, pottery, etc.).....	5, 508	5, 298	4, 308	4, 402	1, 671
Canning machinery.....	9, 691	9, 766	7, 339	8, 535	4, 065
Cars and trucks, industrial and mining.....	17, 919	24, 267	21, 741	26, 886	10, 188
Cash registers, adding, calculating, and card-tabulating machines, and typewriters.....	(1)	(1)	143, 913	151, 583	62, 179
Cement and concrete machinery.....					
Cement-making machinery.....	(1)	4, 146	4, 619	4, 387	1, 579
Cement and concrete-block machinery.....	(1)	1, 461	656	1, 147	417
Concrete mixers.....	13, 602	12, 620	12, 674	11, 405	4, 357
Other cement and concrete machinery.....	(1)	5, 604	2, 584	2, 985	1, 041
Condensers.....	4, 588	4, 938	5, 899	4, 386	2, 590
Confectionery and ice-cream machinery.....	5, 029	5, 143	5, 682	3, 674	3, 809

Footnotes at end of table.

No. 754.—MACHINERY: VALUE OF THE PRINCIPAL CLASSES MANUFACTURED—
Continued

[Values in thousands of dollars]

Class	1923	1925	1927	1929	1931
Conveying machinery					
Bucket type.....	(1)	(1)	10,726	9,387	2,695
Belt type.....	(1)	(1)	10,520	14,206	7,153
Other.....	(1)	(1)	12,282	24,944	12,261
Cotton ginning machinery.....	7,175	12,808	9,543	11,760	2,630
Cranes (including hoists and derricks).....	42,197	43,936	44,454	57,840	18,448
Dairy, cheese-factory, and butter-factory machinery.....	16,486	15,177	16,536	16,593	11,388
Dredging and excavating machinery:					
Power shovels.....	23,684	26,609	32,106	43,348	18,609
Other.....	16,622	19,232	19,776	17,397	11,578
Electrical machinery.....	128,384	202,146	203,995	253,594	* 138,425
Elevators and elevator machinery.....	52,516	47,430	43,152	44,044	20,035
Engines (steam or internal-combustion), tractors, and water wheels ²	222,569	264,255	306,539	401,748	147,589
Flour-mill and grain-mill machinery.....	9,084	7,946	7,967	8,286	4,342
Gas machines and apparatus.....	(1)	6,242	5,082	5,408	1,794
Glass-making machinery.....	2,651	2,666	3,085	3,688	2,545
Hydraulic machinery (other than for dredging).....	2,516	4,938	2,906	10,082	4,540
Laundry machinery.....	19,077	24,198	27,204	28,893	14,637
Lawn mowers.....	8,258	8,047	9,269	10,933	6,141
Leather-working machinery, other than shoe.....	2,575	2,222	2,000	1,249	816
Locomotives (steam and internal-combustion).....	185,808	48,028	60,650	65,203	13,073
Machine tools.....	89,964	91,459	105,555	186,374	58,712
Metal-working machinery, other than machine tools.....	(1)	47,353	39,201	50,336	36,294
Meters, gas, water, and other liquids.....	23,397	24,502	24,978	25,694	14,393
Mining machinery (other than oil-well) including ore crushers.....	52,452	38,079	38,152	40,325	12,570
Motor cycles and bicycles.....	20,752	15,906	13,804	13,727	⁴ 10,608
Motor vehicles, except motor cycles.....	2,611,735	2,946,821	2,540,714	3,412,056	1,387,517
Oil-mill machinery, cottonseed, and other.....	3,037	4,132	4,697	2,533	1,286
Oil-well machinery.....	52,158	47,299	62,126	89,067	23,105
Packing-house machinery.....	5,441	5,370	5,577	6,663	4,622
Paper-mill and pulp-mill machinery.....	18,736	21,209	27,098	30,456	15,793
Pneumatic machinery (other than pneumatic tools):					
Air compressors.....	27,762	29,473	29,319	39,683	15,210
Other pneumatic machinery.....	(1)	(1)	(1)	1,691	1,657
Printing machinery.....	68,630	68,055	53,240	64,860	32,324
Pumps (hand and power) and pumping equipment.....	⁵ 92,815	121,299	129,127	144,947	72,026
Refrigerators, mechanical.....	36,542	62,593	112,141	167,149	141,179
Refrigerating and ice-making machinery.....					16,642
Road-making machinery.....					27,006
Rubber-working machinery.....					4,425
Scales and balances.....					12,072
Sewing machines, cabinets, attachments, and parts.....	⁶ 42,993	⁶ 45,131	34,925	40,960	17,427
Shoe machinery.....	10,663	11,769	12,334	12,317	9,755
Slot-vending machines.....	3,777	4,202	7,059	8,821	5,861
Stokers, mechanical.....	14,095	9,420	10,213	14,054	8,310
Sugar-mill machinery.....	9,112	8,643	6,601	5,046	1,840
Textile machinery and parts.....	127,406	109,354	102,200	115,525	61,223
Transmission machinery.....	11,359	15,350	18,246	26,787	15,326
Vacuum cleaners (electric).....	36,870	40,285	36,972	⁷ 35,108	24,847
Washing machines, clothes wringers, driers, and ironing machines for domestic use.....	57,551	70,761	69,140	79,011	48,281
Well-drilling machinery, other than oil-well.....	1,074	1,843	1,545	1,463	1,530
Windmills.....	3,185	4,053	3,327	4,063	1,214
Woodworking machinery.....	44,447	39,620	29,569	35,151	11,057

¹ No comparable data.² Includes value of motor parts.³ Excluding steam boilers made for sale as separate units.⁴ Includes value of motor cycle side cars and parts.⁵ Not strictly comparable with later years; includes power pumps and equipment only.⁶ Figures include sewing machine cases made for sale as such.⁷ Figures include both electric and other vacuum cleaners.

Source: Bureau of the Census, Department of Commerce.

**No. 755.—ELECTRICAL MACHINERY, APPARATUS, AND SUPPLIES: VALUE
OF PRODUCTS, BY CLASSES**

[All figures except number and kilovolt-amperes in thousands of dollars]

Product	1923	1925	1927	1929	1931
Total value.....	1, 249, 021	1, 387, 709	1, 515, 230	1, 918, 733	987, 643
Generators (not specified elsewhere)					
Direct current—					
Value.....	4, 235	5, 317	4, 503	2, 500	1, 692
Alternating current—					
Number.....				2, 360	1, 058
Kilovolt-amperes (thousands).....				3, 869	1, 310
Value.....	1, 975	2, 098	2, 856	19, 325	8, 825
Synchronous condensers and frequency changers—	(¹)	3, 674	3, 632		
Number.....	18, 508	17, 899	18, 335	203	85
Kilovolt-amperes (thousands).....				752	432
Value.....				4, 241	2, 547
Automotive generators for battery charging.....	54, 007	56, 221	58, 128	28, 210	10, 584
Automotive starter motors.....				32, 849	13, 044
Self-contained power and lighting outfits.....	7, 685	11, 143	8, 239	6, 840	1, 639
Transformers, induction-voltage regulators, and current-limiting reactors.....	59, 115	62, 153	66, 804	84, 032	42, 742
Motor-generator sets and dynamotors.....	7, 305	8, 264	6, 764	13, 397	6, 007
Control apparatus, railway, vehicle, motor, and other.....	33, 177	31, 303	34, 181	44, 289	22, 186
Electric locomotives (mining, industrial, and railway).....	8, 865	10, 331	9, 858	17, 706	(²)
Stationary motors (not fan), total.....	84, 778	92, 648	97, 673	136, 035	68, 430
Fractional horsepower.....	23, 939	28, 249	33, 903	51, 252	33, 648
One horsepower and over—					
Direct current.....	13, 865	15, 797	15, 628	22, 619	9, 060
Alternating current.....	46, 973	48, 602	48, 142	60, 711	25, 448
Not reported as to horsepower.....				1, 453	275
Electric fans.....	9, 583	10, 654	10, 352	10, 196	8, 984
Storage batteries, parts and supplies.....	92, 843	110, 212	97, 808	109, 601	65, 736
Primary batteries.....	21, 446	40, 982	46, 283		
Primary battery parts and supplies.....	3, 776	4, 054	6, 298	40, 334	20, 200
Carbons: Electrodes for lighting and furnaces, brushes, and specialties.....	14, 746	13, 955	14, 364	17, 049	9, 512
Incandescent lamps and X-ray tubes.....	71, 966	73, 558	87, 933	85, 320	70, 502
Telegraph apparatus.....	2, 086	2, 922	5, 561		
Telephone apparatus.....	92, 398	81, 510	115, 452	166, 293	113, 170
Household apparatus and appliances					
Vacuum cleaners, portable.....	35, 982	39, 971	36, 222	35, 108	24, 847
Flatirons.....	8, 199	7, 998	7, 917	8, 018	5, 070
Cooking utensils.....	5, 486	7, 921	11, 668	13, 341	8, 250
Ranges, disk stoves, and hot plates.....	3, 677	7, 901	12, 119	16, 933	9, 643
Air heaters, radiant and convactor type.....	1, 862	2, 028	1, 439	1, 833	1, 012
Electric-measuring instruments, meters, etc.....	28, 221	31, 650	34, 133	38, 523	22, 715
Switchboards, panel boards, cabinets, circuit breakers, and switches.....	57, 856	69, 759	71, 924	81, 201	44, 832
Magnets.....	10, 304	9, 930	9, 016	14, 461	3, 300
Spark plugs.....	13, 660	13, 878	13, 372	20, 244	15, 800
Coils (ignitions).....	7, 868	7, 837	8, 467	9, 502	3, 734
Insulated wires and cables.....	184, 472	210, 617	210, 048	312, 592	120, 789
Railway signals and attachments.....	4, 466	14, 030	22, 340	22, 572	10, 583
Fuses and fuse blocks.....	9, 245	10, 393	10, 891	14, 036	7, 761
Wiring devices.....	34, 966	34, 806	32, 703	38, 395	21, 778
Lightning arresters and choke coils.....	3, 834	5, 961	6, 327	6, 515	3, 257
Electric-railway line materials.....	8, 796	4, 240	5, 446	3, 261	1, 718
Conduits and fittings.....	³ 37, 500	45, 785	41, 717	58, 158	32, 835
Electric signaling apparatus (other than railway).....	9, 782	8, 571	9, 976	12, 248	6, 881
All other.....	196, 326	231, 307	280, 969	393, 575	177, 034

¹ No comparable data

² Withheld to avoid disclosing approximations of data for individual establishments.

³ Not strictly comparable with data for later years, includes underground conduits.

Source. Bureau of the Census, Department of Commerce.

No. 756.—FARM EQUIPMENT: PRODUCTION

NOTE—For all wagons, see Table 759 for all tractors, see Table 752

Class	Number				Value (thousands of dollars)			
	1923	1929	1930	1931	1923	1929	1930	1931
All products, total value					524,255	608,622	507,002	214,391
Plows and listers					32,159	42,365	37,830	12,084
Moldboard plows	552,107	656,859	501,743	173,601	15,512	20,346	15,754	13,715
Disk plows	25,952	46,504	38,106	9,406	3,119	7,145	6,263	1,573
Listers	38,645	48,576	60,157	11,539	1,646	2,085	2,898	568
Other plows	16,268	18,622	6,726	8,877	2,390	1,136	389	223
Attachments and parts, incl plow stocks and steel plow shapes					9,486	11,653	12,526	6,005
Harrows, rollers, pulverizers, and stalk cutters					14,687	16,813	13,815	5,888
Disk harrows	134,127	138,849	113,764	46,853	7,491	8,712	7,377	3,070
Spike-tooth harrow sections	283,612	339,132	275,677	102,838	1,963	2,307	1,968	727
Spring-tooth harrow sections	133,029	126,306	104,159	44,018	1,509	1,445	1,176	491
Stalk cutters	10,456	11,696	11,487	2,297	396	339	415	86
Other, incl attachments and parts					3,323	3,910	2,880	1,494
Planting and fertilizing machinery					26,505	31,145	26,087	10,862
Corn planters, one and two row	59,569	74,778	64,595	35,928	2,775	3,425	3,214	1,727
Combined corn and cotton planters	45,715	93,959	95,438	15,383	1,048	2,565	2,671	508
Combined listers and drills	5,289	7,004	15,323	2,031	430	604	951	140
Grain drills	73,434	70,408	46,796	11,380	8,736	10,035	6,480	1,420
Broadcast seeders	72,275	14,081	72,654	51,323	618	350	546	296
Manure spreaders	62,559	61,000	47,722	19,707	7,364	7,190	5,525	2,102
Other, incl attachments and parts					5,534	6,976	6,700	4,669
Cultivators and weedeers					15,864	22,857	21,892	8,595
1-horse	159,173	202,755	156,134	57,999	4,834	979	756	296
1-row	129,379	166,948	139,808	49,324	8,730	5,908	4,918	1,715
2-row	37,567	54,505	44,659	10,405	3,191	4,487	3,684	874
Hand cultivators (wheeled hoes)	133,214	153,434	171,213	160,360	413	459	500	429
Other cultivators and weedeers	93,108	120,476	151,846	55,108	4,013	6,249	8,134	3,145
Attachments and parts					2,683	4,777	3,900	2,136
Harvesting machinery					67,291	87,713	62,145	19,955
Grain binders	67,099	65,069	46,166	15,356	10,610	10,661	7,787	2,451
Combines (harvester-threshers)	25,392	36,957	24,409	5,907	35,693	50,684	32,739	9,194
Corn binders	21,174	15,246	13,566	(⁵)	2,943	2,142	1,922	(⁵)
Potato diggers	19,930	12,767	10,055	4,700	1,290	789	723	335
Other harvesting machinery	27,213	32,434	25,112	13,713	5,456	5,398	6,651	2,904
Attachments and parts					11,299	18,039	12,323	5,071
Haying machinery					16,058	18,711	17,186	7,089
Mowers	121,935	126,360	117,601	43,312	6,503	7,050	6,466	2,378
Rakes	87,644	98,870	82,892	27,459	3,647	4,121	3,397	1,011
Loaders	24,895	24,920	28,222	10,042	2,034	1,991	2,277	828
Other haying machinery	9,028	11,113	16,730	9,433	479	612	1,296	562
Attachments and parts					3,395	4,937	3,750	2,310
Machines for preparing crops for market or use					33,466	30,103	20,760	12,048
threshers	19,261	14,671	9,090	4,451	16,861	12,774	7,114	3,371
Ensilage and fodder cutters	14,740	11,530	9,811	5,123	2,099	1,768	1,454	637
Corn shellers	48,915	40,378	32,517	16,853	1,493	1,673	897	540
Corn huskers and shredders	1,423	972	599	631	1,111	460	266	293
Hay presses	3,674	3,460	3,068	1,627	1,082	1,106	1,065	588
Feed grinders and crushers	101,335	101,592	69,564	44,538	2,540	3,215	2,896	2,847
Other machines	163,336	108,638	69,725	33,402	1,705	2,483	1,516	1,189
Attachments and parts					6,975	6,724	5,236	2,583
Tractors					191,978	227,633	205,657	75,573
Wheeled types	152,266	195,980	176,075	61,940	113,876	141,653	123,291	42,602
Tracklaying type, all sizes	19,203	27,101	20,222	7,089	48,211	53,602	48,242	13,316
Garden tractors	4,465	5,895	6,161	2,675	822	908	1,102	590
Attachments and parts					29,070	31,470	33,022	19,065
Horse-drawn vehicles					9,974	8,813	4,948	1,977
Farm wagons	57,081	40,687	24,243	10,316	4,946	3,790	2,073	755
Farm trucks	62,889	60,969	39,746	16,043	2,521	2,518	1,585	623
Buggies	4,269	2,589	1,462	491	403	222	138	39
All other (incl 2-wheeled carts)	12,587	10,022	3,582	1,854	260	251	117	54
Attachments and parts					1,844	2,032	1,035	506
Miscellaneous equipment					116,273	120,489	96,682	60,340
Stalls, stanchions, and stock pens					2,877	3,125	2,582	1,400
Stock tanks and waterers	353,583	361,026	317,797	204,406	2,022	2,087	1,988	1,174
Cream separators (hand)	203,857	172,187	105,553	64,426	9,673	9,695	4,709	2,372
Internal-combustion engines	140,833	146,690	92,943	38,072	9,016	9,134	5,338	2,479
Windmills and windmill towers	149,923	132,166	94,061	46,663	5,573	5,411	3,554	1,652
Other, incl attachments and parts					87,112	93,017	78,511	51,263

¹ Excludes 3-bottom and larger horse-drawn plows, included with "Other plows"² Excludes 2-bottom tractor-drawn listers, included with "Other plows"³ Wheelbarrow and other hand broadcast seeders included with "Other"⁴ Includes rice binders⁵ "Corn binders" and "Combination side rakes and tedders" included with "Other harvesting machinery" and "Other haying machinery," respectively, to avoid disclosing operations of individual establishments⁶ Includes power cream separators.

Source Bureau of the Census, Department of Commerce.

No. 757.—MUSICAL INSTRUMENTS, PARTS, AND MATERIALS: PRODUCTION

Product	Number			Value (thousands of dollars)		
	1927	1929	1931	1927	1929	1931
Musical instruments, parts, and materials, all industries, total value.....				127,351	76,829	90,258
Pianos:						
Upright.....	69,864	49,039	18,329	12,262	7,870	2,580
Upright, player.....	76,447	17,336	1,692	20,028	4,116	274
Upright, player, reproducing type.....	4,096	1,445	146	1,420	460	34
Grand—						
Baby.....	43,772	36,929	24,712	17,541	12,851	7,013
Baby player (largely reproducing).....	7,713	6,289	1,168	5,856	2,832	1,94
Parlor.....	8,787	7,767	5,517	5,320	4,160	2,378
Parlor, player (largely reproducing).....	1,224	2,207	1,311	1,726	2,165	1,260
Concert.....	293	234	68	290	155	44
Automatic and electric.....	5,974	2,972	2,427	2,768	2,389	1,102
Organs.						
Pipe.....	2,471	1,799	917	16,782	11,153	5,283
Reed.....	3,091	2,703	1,279	385	375	168
Wind instruments						
Brass.....		104,790	55,222	6,550	4,546	2,141
Wood.....		23,906	18,728	1,845	999	672
Stringed instruments.		421,638	408,305	4,201	3,067	1,947
Percussion and other instruments (chimes, bells, xylophones, drums, traps, etc.).....				2,715	2,913	1,847
Piano parts and materials.....				20,455	9,296	2,918
Organ parts and materials.....				1,810	1,095	460
Perforated music rolls.....				3,217	2,556	428
Parts and materials for musical instruments other than pianos and organs.....				2,180	2,830	1,612

¹ Data are for the reproducing type only.² Includes data for a few pianos not reported as to kind³ Includes data for baby and parlor players other than reproducing type to avoid disclosures⁴ Includes the value of a small number of orchestrions not called for on schedule for 1929 and 1931

No. 758.—RADIO APPARATUS AND PHONOGRAPHS: PRODUCTION, 1931

NOTE.—Because of a new classification for 1931 for "Radio apparatus and phonographs," comparable data for all items in this table can not be shown for prior years. However, data for radio apparatus and phonographs have been published in previous issues of this publication under the "Electrical machinery, apparatus and supplies" and "Musical instruments and phonographs," industries, respectively. For available detailed statistics for earlier years, see reports of the Bureau of the Census.

Product	Number	Value (1,000 dollars)	Product	Number	Value (1,000 dollars)
Radios, phonographs, and apparatus, all industries, total.....		1195,382	Records.....	30,851,282	7,698,434
Receiving sets, complete, total.....	(2)	117,837	Needles.....	(2)	
Number reported.....	3,745,682	116,706	Public address and theater (not including motion-picture theater) sound-reproducing equipment, and home-talking-moving-picture combinations.....	(2)	4,512
Number not reported.....		1,131	Miscellaneous		
For the home.....	3,648,383	113,395	Receiving-set chassis for sale separately as such.....	405,942	7,863
Automobile sets.....	96,145	3,076	Microphones (all types).....	10,225	187
Aircraft sets (incl. accessory equipment except batteries).....	727	217	Loud speakers for sale separately as such.....	(2)	4,648
Television sets or kits, complete.....	427	17	Other apparatus and products (including dictating machines ⁴ and record blanks).....		11,660
Receiving sets for commercial use.....	(2)	272	Receiving tubes for renewal purposes.....	24,318,052	13,714
All other receiving sets.....	(2)	395	Receiving tubes for initial equipment.....	24,944,796	13,264
Combined portable receiver and transmitter.....	(2)	465	Transmitting tubes.....		
Combination radio and phonograph units.....	73,603	6,310	Three-electrode and screen-grid.....	62,562	1,410
Transmitters (including all associated equipment).....	1,100	2,398	Light-sensitive (all sizes, all purposes), other, primarily for industrial control apparatus.....	(2)	449
Phonographs, for mechanical and electrical reproduction, including cabinets and tubes.....	48,304	1,679	Rectifier tubes.....	24,803	499
Phonographs, class not reported.....		821			

¹ Includes some duplication. See footnote 3.² Data incomplete³ This item is duplicated in the total for all products, to the extent to which this product was sold to manufacturers of complete radio receiving sets for installation in such sets made within the year 1931.⁴ Dictating machines can not be shown separately without disclosing data for individual establishments.

Source of Tables 757 and 758 Bureau of the Census, Department of Commerce

No. 759.—VEHICLES AND AIRCRAFT: PRODUCTION

Product	Number			Value (thousands of dollars)		
	1927	1929	1931	1927	1929	1931
MOTOR VEHICLES, INCLUDING CHASSIS						
Total.....	3, 336, 033	5, 294, 087	2, 295, 597	2, 540, 714	3, 412, 056	1, 387, 517
Passenger vehicles.....	2, 826, 274	4, 388, 315	1, 921, 435	2, 175, 545	2, 825, 700	1, 148, 091
Touring, open.....	211, 278	146, 444	21, 377	113, 305	78, 293	12, 526
Roadsters, runabouts, and sport (speedsters), open.....	197, 850	298, 401	103, 947	116, 100	151, 109	47, 741
Closed.....	2, 408, 148	3, 917, 370	1, 786, 393	1, 918, 158	2, 537, 938	1, 069, 550
Public conveyances (cabs, etc.).....	8, 968	26, 100	9, 718	27, 982	58, 361	26, 274
Government vehicles (Federal, State, county, and municipal).....	1, 599	1, 960	1, 215	11, 521	10, 156	6, 163
Commercial vehicles.....	329, 673	391, 593	245, 735	258, 404	277, 552	164, 101
Light delivery (less than 1 ton).....	60, 981	124, 414	79, 821	33, 883	64, 229	35, 673
Trucks (1 ton and over).....	266, 492	261, 523	164, 220	220, 050	205, 772	125, 062
All other.....	2, 200	5, 656	1, 694	4, 471	7, 351	3, 366
Chassis.....	178, 487	512, 219	127, 212	95, 244	298, 847	71, 162
Passenger.....	56, 074	76, 401	7, 556	27, 156	32, 398	3, 739
Commercial and bus.....	122, 413	435, 818	119, 656	68, 088	266, 449	67, 422
MOTOR CYCLES, BICYCLES, AND PARTS						
Total value.....				19, 402	21, 198	13, 285
Motor cycles.....	35, 197	31, 912	(1)	8, 001	7, 543	(1)
Bicycles.....	255, 456	307, 845	260, 029	5, 803	6, 184	4, 733
Parts, including value of motor-cycle side cars.....				5, 598	7, 472	1 8, 552
CARS, STEAM AND ELECTRIC RAILROAD						
Total value.....				332, 270	347, 396	101, 068
Steam:						
Passenger (day coaches only).....	967	342	104	22, 621	6, 817	2, 927
Freighting, baggage, express, etc., in passenger service.....	1, 054	1, 169	(2)	30, 790	35, 058	3, 745
Box.....	19, 645	34, 168	3, 038	45, 319	80, 989	6, 346
Flat.....	1, 656	2, 845	(3)	2, 838	5, 150	(3)
Gondolas.....	10, 479	12, 644	876	20, 023	29, 401	1, 514
Hopper.....	8, 734	10, 132	2, 676	19, 918	24, 682	5, 974
Refrigerator.....	9, 004	5, 165	3, 328	25, 633	20, 031	9, 973
Stock.....	1, 016	2, 469		1, 882	4, 743	
Tank.....	5, 455	3, 290	5, 093	10, 449	6, 140	
Other varieties.....	13, 026	15, 530		27, 516	29, 440	11, 204
Electric:						
Passenger.....	1, 226	513	368	18, 918	6, 350	7, 159
Other varieties.....	167	38		1, 754	266	
All other products, including cars not reported by service, kind, or number, and repairs.....				104, 611	98, 329	52, 227
CARRIAGES AND WAGONS						
Total value.....				15, 413	14, 633	4, 227
Horse-drawn vehicles						
Farm wagons and trucks.....	99, 088	101, 656	26, 359	6, 354	6, 308	1, 378
Business wagons, including mail carriers wagons, lunch wagons, and public conveyances.....	13, 192	4, 122	940	4, 593	4 3, 879	4 1, 393
Carrriages, buggies, and sulkeys.....	7, 633	3, 597	711	687	347	68
Other conveyances.....	9, 781	7, 114	2, 369	330	271	72
Handcarts and pushcarts.....	9, 640	14, 132	5, 473	135	268	73
Wheelbarrows.....				3, 315	3, 560	1, 243
AIRCRAFT						
Total value.....				20, 950	70, 334	39, 978
Airplanes.....	1, 888	6, 522	2, 382	12, 225	46, 848	17, 896
Seaplanes, and amphibians.....	107	8 109	120	2, 280	4, 680	4, 509
Parts and engines.....				6, 445	10, 961	10, 264
All other products, including repairs.....					7, 885	7, 309

¹ Motor cycles can not be shown separately without disclosing data for individual establishments. Value combined with that for "Parts", etc.

² Data incomplete. ³ Included in "Other varieties".

⁴ Includes for 1929, \$414,000, and for 1931, \$231,000, for which number was not reported

⁵ Includes \$17,000, value for which number was not reported

⁶ The value for 1927 and 1929 includes, in some cases, the value of engines made in the same plant and installed in the aircraft. The schedule for 1931 called for the value of planes without engines.

⁷ For 1927, includes data for 103 rebuilt and reassembled airplanes, for 1929, 438, for 1931, 70.

⁸ Includes 4 rebuilt seaplanes

⁹ Only engines made by manufacturers of complete aircraft

Source Bureau of the Census, Department of Commerce.

No. 760.—COTTON SPINDLES, COTTON CONSUMPTION, AND STOCKS

NOTE.—The statistics for 1915 to 1933 relate to the 12 months ended July 31 and those for prior years to the 12 months ended Aug. 31. South refers to cotton growing States. Consumption is expressed in running bales, counting round as half bales, except that all figures, 1840 to 1870, inclusive, and for foreign cotton in all years are in equivalent 500-pound bales. The number of active spindles represents spindles operated for any time, however short, during the year, and is therefore an unsatisfactory measure of activity of the industry.

Year	Cotton spindles (thousands)					Spindles using cotton with other fibers (thousands)	Cotton consumed, excluding lint-ers ¹ (thousands of bales)			
	Total in place	Active					Total	The South	New Eng-land	Other States
		Total	The South	New Eng-land	Other States					
1840.....	(²)	2,285	181	1,597	506	(²)	237	71	159	7
1850.....	(²)	3,998	265	2,959	775	(²)	576	78	431	67
1860.....	(²)	5,236	324	3,859	1,053	(²)	845	94	567	184
1870.....	(²)	7,132	328	5,498	1,306	(²)	797	69	551	177
1880.....	(²)	10,653	561	8,632	1,460	(²)	1,570	189	1,129	252
1890.....	(²)	14,384	1,570	10,934	1,880	(²)	2,518	539	1,502	477
1900.....	(²)	19,472	4,368	13,171	1,933	(²)	3,873	1,523	1,909	440
1910.....	28,929	28,267	10,494	15,735	2,038	(²)	4,622	2,234	1,995	393
1915.....	32,841	31,964	12,956	17,101	1,908	395	5,597	3,027	2,149	421
1916.....	33,333	32,806	13,382	17,474	1,950	405	6,398	3,528	2,359	481
1917.....	34,221	33,889	14,166	17,761	1,972	453	6,789	3,888	2,415	486
1918.....	34,941	34,543	14,529	17,985	2,029	447	6,566	3,697	2,402	467
1919.....	35,443	34,931	14,846	18,066	2,019	429	5,766	3,199	2,165	402
1920.....	35,834	35,481	15,231	18,257	1,963	402	6,420	3,583	2,397	440
1921.....	36,618	36,047	15,709	18,388	1,951	336	4,893	2,997	1,614	282
1922.....	36,946	35,708	15,906	17,939	1,863	314	5,910	3,730	1,823	357
1923.....	37,409	36,260	16,310	18,054	1,896	289	6,666	4,248	2,049	369
1924.....	37,804	35,849	16,944	17,066	1,839	258	5,681	3,858	1,535	288
1925.....	37,929	35,032	17,292	15,975	1,765	251	6,193	4,220	1,639	334
1926.....	37,586	34,750	17,574	15,526	1,650	243	6,456	4,500	1,628	323
1927.....	36,696	34,410	17,894	14,995	1,521	235	7,190	5,194	1,675	321
1928.....	35,540	33,570	18,282	13,815	1,473	232	6,834	5,114	1,438	282
1929.....	34,820	32,417	18,541	12,537	1,339	207	7,091	5,392	1,448	251
1930.....	34,025	31,245	18,586	11,351	1,308	177	6,106	4,749	1,143	214
1931.....	32,673	28,980	18,073	9,655	1,251	117	5,263	4,148	937	179
1932.....	31,709	27,272	17,630	8,569	1,076	113	4,866	4,033	878	155
1933.....	30,893	26,895	17,929	8,205	761	119	6,137	5,087	894	167

Yearly average or year	Consumption (thousands of bales)						Stocks in consuming establishments at end of year (thousands of bales)			
	Total, excluding lint-ers	Domestic			Foreign	Linters	Total, excluding lint-ers	Do-mestic	Foreign	Linters
		Total	Upland	Sea Island						
1906-1910.....	4,829	4,680	4,505	62	149	163	4,731	4,673	58	39
1911-1915.....	5,257	5,051	4,976	75	206	293	5,222	5,138	84	56
1916-1920.....	6,388	6,105	6,034	71	282	734	1,452	1,352	100	179
1921-1925.....	5,869	5,577	5,568	9	292	599	1,003	911	92	139
1926-1930.....	6,735	6,434	6,433	1	301	815	1,150	1,050	100	186
1915.....	5,597	5,375	5,296	79	222	412	1,401	1,292	109	199
1916.....	6,398	6,080	5,998	83	317	881	1,632	1,490	143	100
1917.....	6,789	6,470	6,376	94	318	870	1,502	1,408	94	113
1918.....	6,566	6,382	6,297	86	184	1,119	1,465	1,403	63	138
1919.....	5,766	5,590	5,539	51	176	468	1,303	1,253	51	267
1920.....	6,420	6,003	5,960	43	417	342	1,358	1,208	150	277
1921.....	4,893	4,677	4,658	19	216	516	1,111	1,021	90	201
1922.....	5,910	5,613	5,604	9	297	639	1,218	1,127	91	139
1923.....	6,006	6,322	6,316	6	344	646	1,100	981	118	127
1924.....	5,681	5,353	5,348	5	328	659	722	638	84	101
1925.....	6,193	5,917	5,914	4	276	659	866	737	79	128
1926.....	6,456	6,176	6,174	2	280	804	1,097	1,011	68	144
1927.....	7,190	6,880	6,879	1	310	806	1,405	1,325	80	199
1928.....	6,834	6,535	6,534	1	299	780	1,012	935	77	159
1929.....	7,091	6,778	6,777	1	313	879	1,052	932	120	187
1930.....	6,106	5,803	5,803	(³)	302	805	1,183	1,048	135	239
1931.....	5,263	5,084	5,083	(³)	179	714	996	922	74	254
1932.....	4,866	4,744	4,743	(³)	122	637	1,218	1,163	55	301
1933.....	6,137	6,004	6,003	(³)	133	761	1,348	1,298	50	322

¹ Includes linters for 1840 to 1905.

² Figures not available.

³ Cotton mills only.

⁴ Includes linters for 1906 to 1908.

⁵ Average, 1907 to 1910.

⁶ Average, 1909 and 1910.

⁷ Less than 500 bales.

Source: Bureau of the Census, Department of Commerce.

No. 761.—COTTON SPINDLE ACTIVITY AND CONSUMPTION, BY STATES

NOTE.—All data except the 1911-1915 average, which represents years ended Aug. 31, are for years ended July 31. Consumption includes both domestic and foreign cotton

Section and State	Cotton spindles in place (thousands)			Spindle hours (millions)			Cotton consumed, excluding linters (thousands of bales)				
	1930-31	1931-32	1932-33	1930-31	1931-32	1932-33	1911-1915 average	1926-1930 average	1930-31	1931-32	1932-33
United States.....	32, 673	31, 709	30, 893	75, 264	68, 755	65, 265	5, 257	6, 735	5, 263	4, 886	6, 137
The South.....	19, 109	19, 138	19, 052	54, 482	53, 613	66, 366	2, 740	4, 990	4, 147	4, 033	5, 087
New England.....	12, 168	11, 374	10, 810	18, 757	13, 260	17, 231	2, 101	1, 466	937	678	884
Other States.....	1, 397	1, 197	1, 030	2, 024	1, 882	1, 667	416	279	179	155	167
Alabama.....	1, 854	1, 871	1, 874	5, 323	5, 556	6, 415	275	503	520	532	661
Connecticut.....	1, 074	1, 067	975	1, 926	1, 391	1, 762	127	101	75	52	58
Georgia.....	3, 247	3, 312	3, 297	8, 819	8, 908	10, 929	589	1, 139	930	874	1, 105
Maine.....	1, 010	982	967	1, 823	1, 409	1, 999	170	126	105	87	137
Massachusetts.....	6, 693	6, 168	5, 865	10, 181	6, 689	8, 488	1, 209	823	491	340	421
New Hampshire.....	1, 233	1, 188	1, 118	2, 055	1, 680	2, 026	292	208	161	122	158
New Jersey.....	373	236	139	370	412	286	56	36	26	28	20
New York.....	665	617	551	1, 009	904	749	199	139	84	70	83
North Carolina.....	6, 231	6, 192	6, 137	16, 681	15, 251	18, 630	840	1, 534	1, 252	1, 183	1, 472
Pennsylvania.....	98	98	94	182	139	149	48	23	15	11	13
Rhode Island.....	2, 041	1, 852	1, 768	2, 552	1, 930	2, 685	232	199	98	69	101
South Carolina.....	5, 685	5, 696	5, 677	18, 589	18, 737	24, 199	743	1, 196	1, 016	1, 018	1, 324
Tennessee.....	620	594	627	2, 107	2, 055	2, 442	74	157	150	140	153
Virginia.....	679	673	643	1, 367	1, 648	1, 943	85	120	96	115	145
All other States.....	1, 171	1, 159	1, 161	2, 280	2, 046	2, 565	258	371	245	222	287

Source. Bureau of the Census, Department of Commerce.

No. 762.—EXPLOSIVES: AMOUNTS (EXCLUDING EXPORTS) MANUFACTURED AND SOLD, CALENDAR YEARS

NOTE.—Black blasting powder in thousands of kegs of 25 pounds each; other figures in thousands of pounds. "Permissible" explosives are those approved by the Bureau of Mines as suitable for use in coal mines

Kind and use	1925	1926	1927	1928	1929	1930	1931	1932	1933
Black blasting powder.....	6, 279	6, 307	5, 268	4, 870	4, 802	3, 895	3, 193	2, 550	2, 568
Railway and other construction work.....	382	301	249	317	275	289	303	208	187
Coal mining.....	5, 297	5, 444	4, 503	4, 036	4, 082	3, 427	2, 711	2, 252	2, 289
Metal mining.....	138	114	86	84	91	56	46	18	20
Quarrying and nonmetallic mineral mining.....	240	236	231	202	183	153	114	59	59
All other purposes.....	221	212	199	231	170	70	20	12	14
High explosives other than "permissible".....	286, 435	310, 518	303, 468	292, 785	326, 993	231, 391	216, 157	137, 908	157, 849
Railway and other construction work.....	39, 916	44, 982	48, 253	50, 767	60, 060	78, 362	74, 964	53, 860	71, 055
Coal mining.....	26, 947	35, 229	34, 173	30, 077	31, 752	28, 148	19, 965	16, 173	17, 478
Metal mining.....	102, 623	110, 374	102, 122	96, 088	108, 939	91, 161	57, 431	29, 409	32, 839
Quarrying and nonmetallic mineral mining.....	71, 501	76, 186	78, 506	74, 820	79, 505	68, 334	48, 568	29, 263	29, 985
All other purposes.....	45, 448	43, 747	40, 413	41, 032	46, 738	25, 386	15, 229	9, 203	6, 492
"Permissible" explosives.....	58, 353	67, 685	63, 847	60, 708	62, 669	53, 828	41, 578	32, 225	33, 927
Railway and other construction work.....	263	242	216	158	154	214	431	369	208
Coal mining.....	52, 256	65, 143	60, 942	57, 261	60, 244	52, 378	40, 611	31, 533	33, 218
Metal mining.....	3, 533	216	191	231	165	183	10	35	26
Quarrying and nonmetallic mineral mining.....	838	581	536	1, 243	370	502	230	93	434
All other purposes.....	1, 463	1, 503	1, 962	1, 814	1, 735	549	295	195	40

Source. Bureau of Mines, Department of Commerce.

No. 763.—FERMENTED LIQUORS AND DISTILLED SPIRITS PRODUCED

Year ended June 30—	Distilled spirits			Fermented liquors	Year ended June 30—	Distilled spirits			Fermented liquors
	Ex- clusive of fruit brandy	Fruit brandy	Total			Ex- clusive of fruit brandy	Fruit brandy	Total	
	<i>1,000 tax galls.¹</i>	<i>1,000 tax galls.¹</i>	<i>1,000 tax galls.¹</i>	<i>1,000 barrels.²</i>		<i>1,000 tax galls.¹</i>	<i>1,000 tax galls.¹</i>	<i>1,000 tax galls.¹</i>	<i>1,000 barrels.²</i>
1905.....	147,811	5,449	153,259	³ 49,522	1925.....	166,951	548	167,498	⁴ 5,119
1910.....	156,238	7,656	163,894	³ 59,485	1926.....	203,166	644	203,810	⁴ 4,856
1915.....	132,134	8,522	140,656	³ 59,808	1927.....	185,133	338	185,472	⁴ 4,382
1918.....	173,476	5,357	178,834	³ 50,266	1928.....	170,103	412	170,515	⁴ 4,161
1920.....	99,616	1,649	101,265	³ 9,231	1929.....	202,059	1,194	203,254	⁴ 3,866
1921.....	86,366	1,531	87,896	⁴ 9,220	1930.....	194,841	416	195,257	⁴ 3,681
1922.....	81,086	1,077	82,163	⁴ 6,348	1931.....	169,574	820	170,394	⁴ 3,137
1923.....	123,208	1,417	124,626	⁴ 5,269	1932.....	149,760	631	150,391	⁴ 2,766
1924.....	136,682	847	137,530	⁴ 4,891	1933.....	121,819	1,586	123,405	⁴ 1,261

¹ In computing taxable gallons all fractional parts of a gallon less than one-tenth are excluded

² Of not more than 31 gallons.

³ Includes fermented liquors removed from breweries for export free of tax.

⁴ This item represents cereal beverages containing less than one-half of 1 per cent alcohol by volume.

No. 764.—DENATURED ALCOHOL

Year ended June 30—	Alcohol pro- duced at in- dustrial alcohol plants ¹	Dena- turing plants	Ethyl alcohol withdrawn for denatura- tion	Denatured alcohol produced		
				Completely denatured	Specially denatured	Total
	<i>Proof gallons</i>		<i>Proof gallons</i>	<i>Wine gallons</i>	<i>Wine gallons</i>	<i>Wine gallons</i>
1910.....		12	10,605,871	3,076,925	3,002,103	6,079,027
1915.....		23	25,411,719	5,386,647	8,599,822	13,986,469
1920.....	18,983,551	52	45,640,949	13,528,403	15,307,947	28,836,350
1922.....	79,906,102	77	59,549,920	16,193,524	17,152,224	33,345,748
1923.....	122,402,850	76	105,819,405	27,128,230	30,436,913	57,565,143
1924.....	135,897,726	83	121,576,196	34,602,004	33,085,292	67,687,296
1925.....	166,165,518	91	143,970,221	46,953,970	34,824,303	81,808,273
1926.....	202,271,670	97	191,670,107	55,881,442	39,494,444	105,375,886
1927.....	184,323,217	94	170,633,437	56,093,748	39,354,928	95,448,677
1928.....	169,149,905	82	159,689,378	46,966,601	45,451,424	92,418,026
1929.....	200,832,051	77	182,778,966	52,405,452	54,555,006	106,960,458
1930.....	191,859,343	67	181,601,420	58,141,741	47,645,797	105,787,538
1931.....	166,014,346	60	149,303,439	49,136,201	37,172,741	86,308,941
1932.....	² 146,950,913	49	132,578,235	34,298,236	44,031,282	78,329,517
1933.....	² 115,609,754	42	103,753,241	26,524,231	35,076,116	61,600,347

¹ Separate accounts for alcohol produced at industrial alcohol plants required commencing May 1, 1920.

² Includes alcohol produced in Puerto Rico

No. 765.—LEAF TOBACCO: AMOUNTS CONSUMED IN THE MANUFACTURE OF CIGARS, CIGARETTES, CHEWING AND SMOKING TOBACCO, AND SNUFF

NOTE.—All figures in thousands of pounds. Figures represent the equivalent in unstemmed leaf tobacco of stemmed leaf or scraps, cuttings, and chippings. In the following table the tobacco used in the manufacture of cigars and cigarettes was converted on the basis of 3 pounds of stemmed leaf or scraps, etc., to 4 pounds of unstemmed beginning 1915 (conversion prior to 1915 was at the ratio of 3 to 5) and of tobacco and snuff beginning 1903. For 1896 to 1902, tobacco used in manufactured tobacco and snuff was shown only under two heads, namely "leaf" and "scraps." It is probable that stemmed leaf was included with unstemmed tobacco under the head of "leaf" without the one kind being converted to the equivalent in the other. The conversion ratio of 3 to 4 was applied only to "scraps" for these years. Data exclude tobacco used in bonded manufacturing warehouses. See Table 767

Calendar year or yearly average	Total	Cigars	Ciga- rettes	Tobacco and snuff	Calendar year	Total	Cigars	Ciga- rettes	Tobacco and snuff
1896-1900.....	359,053	87,851	16,235	254,967	1922.....	646,816	151,709	169,597	325,510
1901-1905.....	451,461	124,411	12,444	314,606	1923.....	689,036	159,753	200,395	328,889
1906-1910.....	524,193	139,206	22,079	362,908	1924.....	693,858	153,413	217,700	322,745
1911-1915.....	573,283	151,890	52,207	374,186	1925.....	718,426	149,001	244,315	325,109
1916-1920.....	650,460	155,312	130,320	364,828	1926.....	737,354	152,372	267,584	317,399
1921-1925.....	672,077	151,421	198,069	322,588	1927.....	744,288	152,510	290,464	301,314
1926-1930.....	762,540	149,240	312,533	300,767	1928.....	754,625	151,290	310,159	293,176
1918.....	692,014	149,837	146,056	396,121	1929.....	796,626	152,129	346,543	297,953
1919.....	648,384	151,504	166,783	330,097	1930.....	779,806	137,901	347,915	293,990
1920.....	639,982	168,597	146,907	324,478	1931.....	752,404	127,628	329,962	294,813
1921.....	612,251	143,228	158,336	310,687	1932.....	690,134	104,288	299,029	286,817

Source of Tables 763 to 765. Reports of the Commissioner of Internal Revenue, Treasury Department.

No. 766.—PRODUCTION OF MANUFACTURED TOBACCO

NOTE.—Compiled from monthly returns of manufacturers. Data relate to products manufactured in continental United States, excluding those manufactured in bonded manufacturing warehouses, which amounted to 58,858,358 cigars, in 1933. Large cigars are those weighing more than 3 pounds per thousand

Calendar year or yearly average	Tobacco and snuff (thousands of pounds)						Cigars (thousands)		Cigarettes (thousands)	
	Total	Plug	Twist	Fine cut	Smoking	Snuff	Large	Small	Large	Small
1901-1905.....	346,841	175,981	(4)	11,903	138,402	20,556	6,513,095	716,720	7,143	3,227,602
1906-1910.....	413,054	167,460	13,524	12,525	192,700	26,845	6,883,272	1,059,501	16,113	6,192,571
1911-1915.....	437,346	158,529	15,017	10,795	221,865	31,140	7,087,530	1,053,654	15,895	14,802,416
1916-1920.....	456,584	159,859	14,346	9,758	237,808	34,805	7,364,937	810,327	26,026	14,565,670
1921-1925.....	409,457	115,445	10,105	6,972	239,151	37,785	6,691,913	557,300	16,704	65,903,991
1926-1930.....	389,244	99,470	8,374	5,821	235,421	40,159	6,360,650	414,044	10,479	109,361,216
1924.....	414,178	111,477	9,902	6,781	246,990	39,029	6,597,677	530,714	16,054	72,708,969
1925.....	413,873	111,391	9,750	7,151	247,740	37,841	6,463,193	447,089	17,429	82,247,100
1926.....	410,596	109,766	9,179	6,985	246,439	38,227	6,498,641	412,315	13,240	92,096,974
1927.....	396,324	103,913	7,983	6,286	237,934	40,197	6,519,005	439,419	11,432	99,809,032
1928.....	386,333	100,646	8,892	5,186	231,134	40,475	6,373,182	415,535	10,403	108,705,506
1929.....	381,200	96,744	8,188	5,556	229,585	41,127	6,518,533	419,880	9,952	122,392,381
1930.....	371,766	86,274	7,624	5,089	232,013	40,766	5,898,890	383,070	7,367	123,802,183
1931.....	371,237	76,653	6,377	4,170	244,182	39,854	5,347,921	338,997	5,160	117,062,504
1932.....	347,279	61,945	4,918	3,354	241,067	35,994	4,382,723	278,749	3,374	106,632,434
1933 ¹	341,228	—	—	—	304,902	36,326	4,344,752	208,449	2,870	111,783,441

State	Number of factories Jan. 1, 1933, making—			Production in 1932 (calendar year)				
	Tobacco and snuff ¹	Cigars	Cigarettes	Tobacco and snuff (1,000 pounds)	Cigars (thousands)		Cigarettes (thousands)	
					Large	Small	Large	Small
Total.....	795	5,787	113	347,279	4,382,723	278,749	3,374	106,632,434
California.....	26	207	10	164	48,811	7	18	3,213,845
Connecticut.....	10	125	2	52	17,816	—	—	19
Florida.....	4	282	3	5	473,387	—	—	1,034
Illinois.....	101	604	8	33,014	29,252	—	45	203,526
Indiana.....	37	138	—	215	88,228	—	—	—
Kentucky.....	41	34	3	31,350	155,665	—	—	10,968,517
Louisiana.....	1	28	1	91	48,408	—	—	4,341
Massachusetts.....	27	350	9	399	51,188	—	11	12,508
Michigan.....	29	157	3	8,750	199,401	—	(5)	39,367
Minnesota.....	24	121	—	53	20,946	—	—	—
Missouri.....	13	126	2	30,235	42,763	—	—	91,229
New Hampshire.....	2	80	—	2	44,549	—	—	—
New Jersey.....	14	161	5	6,990	555,624	—	—	3,701,202
New York.....	156	1,173	42	2,427	372,744	5,928	1,753	637,411
North Carolina.....	13	14	6	117,899	13,054	25,161	1,411	58,668,184
Ohio.....	70	369	—	48,706	268,121	346	—	—
Pennsylvania.....	89	843	9	6,131	1,509,282	2,818	104	110,153
Tennessee.....	15	17	—	17,852	2,114	—	—	—
Virginia.....	8	23	8	22,493	194,090	244,223	31	28,981,027
West Virginia.....	7	52	1	8,609	52,399	—	—	—
All other.....	108	878	1	2,813	194,880	—	—	65

¹ Twist included with plug prior to 1906. ² Estimates based on sale of stamps by collectors' offices.

³ Includes plug, twist, and fine cut.

⁴ Less than 500.

⁵ Includes only those producing a taxable product, excluding

241 "quasi" manufacturers.

Source: Annual Report of the Commissioner of Internal Revenue.

No. 767.—CONSUMPTION OF TOBACCO IN THE UNITED STATES

NOTE.—All figures except per capita in thousands of pounds. Data for tobacco used in manufacture in registered factories represent the equivalent in unstemmed leaf of all tobacco. See headnote, Table 765.

Item	1926	1927	1928	1929	1930	1931	1932
Leaf tobacco consumed in manufacture.							
In registered factories.....	737,354	744,288	754,625	796,626	779,806	752,404	690,134
In bond.....	19,059	16,073	28,132	13,267	4,175	425	635
Manufactured tobacco imported:							
From Puerto Rico.....	2,498	2,081	2,165	2,043	2,261	2,307	1,081
Other countries.....	3,859	3,498	3,263	2,682	2,408	2,458	2,393
Exports of manufactured tobacco ¹	35,960	28,961	42,702	33,293	22,251	16,149	13,501
Remaining for consumption.....	726,810	736,979	745,483	781,325	766,399	741,445	680,741
Per capita consumption—pounds.....	6.24	6.24	6.22	6.43	6.22	5.98	5.45

¹ Includes shipments to Alaska, Hawaii, and Puerto Rico.

Sources: Leaf tobacco used in registered factories from reports of the Commissioner of Internal Revenue; leaf tobacco used in bonded factories from reports of the Division of Customs, Treasury Department.

No. 768.—PATENTS AND CERTIFICATES OF REGISTRATION ISSUED SINCE INITIATION OF THE PATENT SYSTEM

NOTE.—The number of patents granted prior to July 28, 1836, was 9,957

Calendar year or period	Patent applications ¹	Caveats filed ²	Patents issued				Certificates of registration issued		
			Total	Patents	Designs	Reissues	Total	Trade-marks	Labels and prints
1836-1850 ³	14,062	4,763	8,387	7,864	340	183	-----	-----	-----
1851-1860	44,302	9,571	25,087	23,140	1,025	922	-----	-----	-----
1861-1870	128,763	22,228	85,910	79,612	3,181	3,117	121	151	-----
1871-1880	206,436	29,350	138,355	125,520	7,635	5,300	10,595	8,017	2,378
1881-1890	352,475	25,012	217,821	207,850	8,357	1,614	14,660	10,636	4,024
1891-1900	410,049	21,199	234,956	220,840	13,374	742	18,794	16,903	⁴ 1,891
1901-1905	253,417	9,168	148,291	143,791	3,953	547	18,590	12,768	5,822
1906-1910	307,187	8,880	175,618	171,560	3,297	761	36,375	32,060	4,315
1911-1915	350,937	-----	194,387	186,241	7,295	851	32,381	27,369	5,012
1916-1920	368,236	-----	207,108	197,644	8,486	978	35,364	30,681	4,683
1921-1925	426,597	-----	217,525	203,977	12,326	1,222	81,566	71,159	10,407
1926-1930	469,163	-----	234,857	219,384	13,796	1,677	96,729	83,536	13,193
1901	46,449	1,842	27,373	25,558	1,734	81	2,965	1,928	1,037
1902	49,641	1,851	27,886	27,136	640	110	2,931	2,006	925
1903	50,213	1,771	31,699	31,046	536	117	3,446	2,186	1,260
1904	52,143	1,808	30,934	30,267	557	110	3,569	2,158	1,411
1905	54,971	1,896	30,399	29,784	486	129	5,679	4,490	1,189
1906	56,482	1,885	31,965	31,181	625	159	11,933	10,568	1,365
1907	58,762	1,967	36,620	35,880	589	151	8,860	7,878	982
1908	61,475	2,110	33,682	32,757	757	168	6,029	5,191	838
1909	65,839	1,948	37,421	36,574	687	160	4,824	4,184	640
1910	64,629	970	35,930	35,168	639	123	4,729	4,239	490
1911	69,121	-----	34,084	32,917	1,010	157	5,112	4,205	907
1912	70,976	-----	37,731	36,231	1,342	158	5,896	5,020	876
1913	70,367	-----	35,788	33,941	1,683	164	6,063	5,065	998
1914	70,404	-----	41,850	39,945	1,715	190	7,874	6,817	1,057
1915	70,069	-----	44,934	43,207	1,645	182	7,436	6,262	1,174
1916	71,033	-----	45,927	43,970	1,759	198	8,087	6,791	1,296
1917	70,373	-----	42,760	41,069	1,512	179	6,197	5,339	858
1918	59,615	-----	39,941	38,569	1,207	165	4,912	4,061	851
1919	80,400	-----	38,598	36,872	1,523	203	4,874	4,208	666
1920	86,815	-----	39,882	37,164	2,485	233	11,294	10,282	1,012
1921	93,328	-----	41,401	37,885	3,277	239	13,605	11,654	1,951
1922	88,930	-----	40,297	38,414	1,627	256	14,992	12,793	2,199
1923	79,058	-----	40,787	38,634	1,927	226	16,725	14,845	1,880
1924	80,756	-----	45,500	42,594	2,671	235	17,562	15,749	1,813
1925	84,525	-----	49,540	46,450	2,824	266	⁵ 18,682	⁵ 16,118	2,564
1926	86,028	-----	47,627	44,750	2,602	275	⁵ 21,819	⁵ 19,246	2,573
1927	92,018	-----	44,444	41,731	2,387	326	⁵ 20,548	⁵ 17,649	2,899
1928	92,598	-----	45,899	42,376	3,188	335	⁵ 19,084	⁵ 16,191	2,893
1929	94,489	-----	48,565	45,284	2,907	374	⁵ 18,087	⁵ 15,534	2,553
1930	94,030	-----	48,322	45,243	2,712	367	⁵ 17,191	⁵ 14,916	2,275
1931	84,171	-----	⁶ 55,103	⁶ 51,771	2,937	395	⁵ 15,328	⁵ 13,050	2,278
1932	71,517	-----	⁶ 56,856	⁶ 53,519	2,944	393	⁵ 13,196	⁵ 11,300	1,896
1933	60,294	-----	⁶ 51,563	⁶ 48,819	2,411	333	⁵ 12,758	⁵ 10,805	1,953

¹ Figures include patents for inventions, designs, and reissues of patents.

² Caveat law repealed June 25, 1910

³ July 28, 1836, to Dec 31, 1850

⁴ Registration of labels suspended from May 27, 1891, to June 9, 1896.

⁵ Figures include 2,278 renewals in 1925, 4,282 in 1926, 3,063 in 1927, 2,049 in 1928, 1,008 in 1929, 1,665 in 1930, 1,643 in 1931, 1,687 in 1932, and 1,665 in 1933

⁶ Figures include 5 plant patents in 1931, 46 in 1932 and 33 in 1933 issued since the law passed May 23, 1930.

Source: Reports of the Commissioner of Patents.

33.—DISTRIBUTION—WHOLESALE AND RETAIL

No. 769.—WHOLESALE TRADE: SUMMARY BY STATES, 1929 AND 1933

[All money figures in thousands of dollars]

Division and State	Number of establishments		Net sales		Average number of employees, 1933		Salaries and wages, 1933	
	1929	1933	1929	1933	Full time	Part time	Full time	Part time
United States ¹.....	169, 702	163, 124	69, 291, 548	31, 439, 923	1, 109, 876	127, 513	1, 622, 906	64, 598
New England.....	9, 793	8, 624	4, 195, 261	2, 130, 465	99, 826	5, 346	112, 232	7, 573
Maine.....	987	863	189, 975	108, 898	5, 423	636	7, 472	293
New Hampshire.....	326	334	61, 414	38, 074	2, 073	171	2, 820	75
Vermont.....	308	300	57, 393	41, 751	2, 019	134	2, 680	70
Massachusetts ²	6, 066	5, 140	3, 065, 856	1, 459, 203	71, 468	3, 030	70, 823	6, 320
Rhode Island.....	737	578	300, 072	148, 533	5, 236	313	7, 800	170
Connecticut ²	1, 369	1, 409	520, 551	334, 006	13, 607	1, 062	20, 627	645
Middle Atlantic.....	38, 197	33, 977	23, 390, 807	10, 573, 763	283, 089	16, 379	489, 434	10, 895
New York ²	25, 311	21, 506	17, 604, 634	7, 863, 017	185, 502	9, 034	341, 391	6, 738
New Jersey.....	2, 344	2, 693	1, 008, 881	560, 392	23, 332	1, 605	35, 596	942
Pennsylvania ²	10, 542	9, 778	4, 777, 292	2, 150, 354	74, 255	5, 740	112, 447	3, 215
East North Central.....	32, 185	34, 548	14, 023, 413	6, 216, 904	229, 940	22, 111	350, 274	10, 956
Ohio.....	8, 077	8, 313	3, 094, 100	1, 560, 356	62, 653	5, 319	93, 700	2, 686
Indiana.....	3, 734	4, 238	921, 561	423, 678	18, 980	2, 275	25, 458	940
Illinois ²	11, 587	11, 924	6, 861, 067	2, 816, 346	89, 344	8, 087	145, 956	4, 218
Michigan ²	5, 272	5, 805	2, 172, 409	873, 067	35, 206	3, 378	51, 261	1, 727
Wisconsin.....	3, 515	4, 269	979, 276	538, 457	23, 757	2, 852	33, 899	1, 385
West North Central.....	28, 954	29, 146	8, 709, 122	3, 634, 110	131, 837	14, 849	180, 066	6, 113
Minnesota.....	5, 521	5, 179	1, 716, 944	909, 650	29, 252	2, 814	41, 122	1, 325
Iowa.....	4, 954	5, 250	1, 057, 006	463, 059	19, 471	2, 809	24, 153	1, 179
Missouri ²	6, 674	6, 097	3, 361, 721	1, 387, 992	48, 341	3, 920	70, 343	1, 672
North Dakota.....	2, 019	2, 436	262, 430	93, 990	4, 346	510	5, 633	188
South Dakota.....	1, 973	1, 756	236, 280	73, 839	4, 052	553	5, 120	207
Nebraska.....	2, 890	3, 416	1, 054, 064	406, 457	13, 479	2, 029	17, 564	720
Kansas.....	4, 323	5, 012	1, 020, 677	299, 123	12, 896	2, 214	16, 131	822
South Atlantic.....	15, 652	14, 576	4, 657, 676	2, 490, 688	99, 635	21, 777	128, 509	7, 360
Delaware.....	286	259	118, 087	59, 182	1, 783	245	3, 147	97
Maryland.....	2, 205	2, 245	741, 367	405, 385	17, 669	3, 121	22, 409	1, 021
Dist. of Col.....	496	575	261, 083	179, 077	7, 444	188	10, 897	92
Virginia.....	2, 344	2, 380	656, 309	358, 387	16, 209	5, 226	20, 369	1, 824
West Virginia.....	1, 132	1, 188	346, 839	194, 902	7, 656	719	11, 302	320
North Carolina.....	2, 413	2, 365	717, 432	422, 845	13, 407	4, 675	16, 603	1, 542
South Carolina.....	1, 539	1, 242	333, 528	172, 062	4, 936	655	6, 193	200
Georgia.....	3, 183	2, 272	1, 016, 496	428, 291	15, 220	1, 546	20, 551	470
Florida.....	2, 054	2, 050	466, 535	270, 537	15, 311	5, 402	17, 038	1, 794
East South Central.....	7, 739	6, 819	2, 550, 847	999, 046	43, 008	7, 174	52, 304	2, 627
Kentucky.....	2, 027	2, 007	522, 495	272, 895	13, 017	3, 047	15, 246	1, 318
Tennessee.....	2, 256	1, 966	1, 068, 981	389, 677	16, 057	2, 023	19, 615	652
Alabama.....	1, 743	1, 598	574, 145	192, 634	8, 911	1, 059	11, 488	366
Mississippi.....	1, 713	1, 248	385, 226	143, 240	5, 023	1, 045	6, 955	291
West South Central.....	17, 566	14, 436	4, 787, 187	1, 901, 213	74, 982	11, 432	97, 514	3, 703
Arkansas.....	2, 052	1, 294	373, 074	121, 504	6, 118	825	7, 506	281
Louisiana.....	1, 729	2, 095	836, 197	427, 109	17, 866	1, 486	22, 685	515
Oklahoma ²	4, 179	4, 171	773, 398	304, 459	12, 858	3, 855	17, 161	741
Texas ²	9, 606	6, 876	2, 804, 518	1, 048, 131	38, 140	5, 266	50, 162	2, 165
Mountain.....	5, 795	5, 900	1, 188, 946	562, 690	25, 594	4, 097	35, 444	1, 835
Montana.....	1, 249	1, 242	158, 545	79, 441	3, 312	473	4, 653	247
Idaho.....	681	768	121, 193	50, 689	2, 078	990	2, 814	443
Wyoming.....	283	349	34, 661	19, 117	847	103	1, 214	51
Colorado.....	2, 075	1, 823	539, 626	239, 035	10, 796	1, 135	14, 849	531
New Mexico.....	317	448	53, 547	27, 892	1, 293	164	1, 876	61
Arizona.....	358	476	97, 554	49, 795	2, 260	727	3, 319	381
Utah.....	736	653	180, 101	86, 758	4, 572	432	5, 999	185
Nevada.....	96	141	18, 719	9, 963	4, 626	73	720	36
Pacific.....	13, 821	15, 087	5, 773, 290	2, 931, 064	121, 985	24, 348	177, 139	13, 437
Washington ²	2, 631	2, 714	1, 147, 136	439, 259	19, 228	2, 908	27, 631	1, 737
Oregon.....	1, 439	1, 333	466, 831	202, 146	9, 705	1, 200	13, 868	643
California ²	9, 751	11, 050	4, 159, 323	2, 289, 659	92, 974	20, 240	135, 590	11, 057

¹ Figures for 1933 are subject to slight changes

² Preliminary data for 1933.

Source: Bureau of the Census, Department of Commerce.

No. 770.—WHOLESALE TRADE: BY TYPE OF ESTABLISHMENT, 1929

[All money figures in thousands of dollars]

Type of establishment	Number of establishments	Number of employees	Salaries and wages	Total expenses (incl salaries and wages)	Net sales	Stocks on hand, end of year (at cost)
United States, total.....	169, 702	1, 605, 042	3, 010, 130	6, 135, 625	69, 291, 548	5, 246, 740
Wholesalers only.....	79, 840	912, 143	1, 713, 259	3, 447, 360	29, 556, 156	3, 382, 558
Wholesale merchants.....	70, 806	825, 279	1, 521, 226	3, 052, 504	24, 632, 484	2, 873, 786
Supply and machinery distributors.....	3, 432	33, 337	70, 157	130, 351	790, 835	126, 948
Some newer types of wholesalers.....	2, 156	11, 472	22, 550	42, 833	510, 838	21, 642
Cash and carry wholesalers.....	756	3, 208	5, 328	10, 171	178, 809	16, 321
Drop shippers (desk jobbers).....	583	3, 421	8, 575	15, 794	242, 269	2, 522
Wagon distributors.....	817	4, 843	8, 647	16, 868	89, 761	2, 798
All other wholesalers.....	3, 356	42, 055	99, 327	221, 672	3, 622, 018	360, 183
Bulk tank stations.....	19, 587	79, 016	163, 200	337, 054	2, 101, 129	158, 532
Chain store warehouses.....	559	26, 442	40, 635	83, 829	1, 929, 681	98, 540
Manufacturers' sales branches.....	16, 515	306, 878	655, 010	1, 390, 633	14, 812, 196	968, 157
Auction companies.....	461	6, 997	5, 970	11, 267	373, 776	1, 978
Brokers.....	3, 689	11, 708	26, 642	53, 443	4, 037, 944	17, 822
Commission merchants.....	3, 478	24, 704	56, 702	109, 519	4, 672, 632	60, 305
Export agents.....	260	3, 244	6, 855	17, 649	398, 559	15, 979
Import agents.....	85	925	2, 381	5, 283	57, 158	3, 770
Manufacturers' agents.....	6, 987	28, 742	65, 335	121, 489	1, 775, 355	49, 504
Purchasing agents and resident buyers.....	167	1, 442	3, 674	7, 842	296, 306	7, 895
Selling agents.....	3, 260	26, 695	66, 270	126, 491	2, 622, 663	42, 927
Assemblers and country buyers.....	34, 145	116, 108	93, 526	203, 279	4, 652, 183	293, 497
All other.....	669	59, 998	110, 169	220, 487	2, 005, 810	144, 974

Source. Bureau of the Census, Department of Commerce

No. 771.—WHOLESALE TRADE: BY KIND OF BUSINESS, 1929

[All money figures in thousands of dollars]

Kind of business	Number of establishments	Number of employees	Salaries and wages	Total expenses (incl salaries and wages)	Net sales	Stocks on hand, end of year (at cost)
United States, total.....	169, 702	1, 605, 042	3, 010, 130	6, 135, 625	69, 291, 548	5, 246, 740
Amusement and sporting goods (except cameras and motion-picture equipment and supplies).....	730	7, 818	15, 228	31, 313	161, 139	26, 427
Cameras and motion-picture equipment and supplies.....	716	13, 471	26, 982	55, 474	324, 261	18, 714
Automobiles and other motor vehicles.....	743	31, 595	64, 458	126, 872	1, 226, 347	87, 360
Automotive equipment.....	2, 153	25, 636	49, 939	90, 047	489, 797	67, 157
Automobile parts (new and used).....	1, 049	7, 425	14, 260	26, 026	152, 777	20, 956
Tires and tubes.....	655	10, 148	25, 839	54, 018	386, 603	48, 221
Chemicals.....	1, 206	14, 624	39, 385	81, 929	888, 604	51, 795
Drugs and drug sundries (general line).....	638	24, 023	42, 483	76, 718	575, 100	93, 709
Drugs and drug sundries (specialty).....	849	8, 217	17, 611	48, 954	193, 898	37, 800
Paints, varnishes, lacquers, and enamels.....	1, 027	12, 571	28, 101	59, 327	304, 999	40, 885
Toilet articles and preparations.....	303	5, 997	12, 479	30, 346	96, 334	8, 570
Clothing and furnishings (other than millinery and footwear).....	3, 971	35, 821	79, 157	156, 469	1, 432, 948	150, 461
Dry goods (general line).....	1, 071	26, 333	52, 696	97, 848	889, 508	112, 515
Dry goods (specialty, other than specified).....	417	3, 026	7, 143	12, 474	122, 812	10, 560
Millinery and millinery supplies.....	489	5, 268	9, 460	18, 338	116, 023	11, 334
Notions.....	1, 118	8, 251	17, 566	32, 439	203, 671	33, 542
Piece goods.....	2, 696	31, 430	84, 794	167, 564	2, 624, 281	237, 924
Shoes and other footwear.....	756	14, 931	31, 723	63, 524	560, 673	69, 436
Electrical goods (including appliances).....	1, 901	39, 526	77, 333	135, 616	1, 363, 696	87, 719
Electrical equipment and supplies.....	991	9, 409	21, 640	42, 300	475, 639	29, 210
Radios and radio equipment.....	806	13, 044	28, 155	75, 795	491, 621	60, 394
Refrigerators (electric).....	172	7, 950	12, 485	23, 409	104, 292	11, 709

No. 771.—WHOLESALE TRADE: BY KIND OF BUSINESS, 1929—Continued
[All money figures in thousands of dollars]

Type of establishment	Number of establishments	Number of employees	Salaries and wages	Total expenses	Net sales	Stocks on hand end of year (at cost)
Cotton.....	5,234	13,277	20,569	90,323	3,061,610	173,738
Flowers and nursery stock.....	633	6,059	8,795	17,850	71,331	8,576
Grain.....	12,245	33,054	46,446	109,131	4,001,105	270,050
Hides, skins, and furs.....	1,689	7,309	15,116	36,813	557,897	63,417
Horses and mules.....	3,252	7,775	993	2,762	38,980	879
Live stock (other than horses and mules).....	7,288	12,903	18,784	40,056	3,170,313	14,422
Silk (raw).....	33	321	1,507	3,056	170,946	10,133
Tobacco (leaf).....	1,003	39,625	17,303	35,233	469,142	154,969
Wool and mohair.....	403	2,459	5,838	16,129	334,061	40,129
Other farm products.....	1,693	3,133	3,594	7,682	155,650	7,616
Farm supplies (except feed and fertilizer).....	410	6,164	8,851	18,476	139,735	24,419
Feed.....	1,284	9,040	15,072	34,846	571,068	22,748
Fertilizer and fertilizer materials.....	279	4,473	8,188	19,239	187,470	19,218
Confectionery and soft drinks.....	2,959	15,324	26,602	63,229	356,242	23,933
Dairy products.....	2,181	37,851	60,383	147,711	1,124,180	28,900
Poultry and poultry products.....	3,830	19,882	22,267	48,292	760,795	20,210
Dairy and poultry products.....	3,691	17,281	21,948	43,275	670,160	22,603
Fish and sea foods.....	1,448	15,896	21,709	49,112	243,682	10,939
Fruits and vegetables (fresh).....	11,194	92,799	123,628	260,538	3,252,976	157,440
Meats and meat products.....	3,605	83,776	143,568	268,292	3,102,288	106,215
Boxes, shooks, and cooperage.....	205	1,143	2,163	4,046	49,668	3,094
Logs, railroad ties, piles, etc.....	537	2,035	3,143	6,030	59,562	5,405
Other forest products.....	278	2,126	4,413	7,518	96,190	4,814
Furniture.....	1,146	11,626	25,476	48,964	344,630	36,937
House furnishings.....	1,653	22,230	45,029	87,216	591,179	88,452
Musical instruments and sheet music.....	178	3,832	7,297	17,868	58,242	11,345
General merchandise.....	370	14,821	23,740	47,815	596,066	67,159
Groceries (general line).....	6,900	104,882	179,861	335,083	5,203,417	451,931
Food and grocery specialties.....	7,094	79,450	145,819	354,118	4,333,905	189,948
Hardware (general line).....	1,227	40,339	74,762	133,479	754,594	164,211
Hardware (specialty).....	562	4,794	9,816	17,361	111,565	14,591
Iron and steel scrap.....	644	6,516	11,141	23,185	258,794	10,696
Junk and scrap.....	3,053	11,999	14,425	28,969	234,082	17,958
Waste rubber, rags, and paper.....	2,773	7,762	4,561	9,205	59,404	3,292
Jewelry.....	1,925	14,661	35,280	72,614	450,089	130,835
Optical goods.....	440	5,178	8,296	14,619	44,492	8,460
Leather and leather goods (general line).....	84	695	1,460	2,995	18,366	3,610
Leather and leather belting.....	651	4,284	10,609	23,387	301,957	47,185
Luggage and leather goods.....	196	1,449	2,596	4,975	23,483	3,280
Saddlery and harness.....	38	401	659	1,285	7,196	2,064
Shoe findings and cut stock.....	613	2,147	4,379	9,430	106,229	12,634
Construction and building materials (other than metal and wood).....	3,222	46,979	97,126	194,304	1,006,846	73,929
Lumber and mill work.....	2,291	24,874	51,625	96,513	1,134,206	98,037
Commercial equipment and supplies.....	1,804	17,814	36,990	62,214	250,929	28,570
Construction equipment and supplies.....	498	4,059	9,927	21,462	132,690	12,164
Farm machinery and equipment.....	560	15,315	28,730	54,839	385,838	67,876
Manufacturing, mining, and drilling machinery, equipment, and supplies.....	6,142	55,556	131,040	237,418	1,648,880	190,620
Professional equipment and supplies.....	1,006	13,672	25,800	45,956	207,816	36,055
Service equipment and supplies.....	1,436	11,340	23,560	46,343	201,098	28,471
Transportation equipment and supplies.....	412	3,340	10,902	21,113	230,879	9,661
Coal.....	1,343	14,111	33,170	69,521	1,160,290	43,023
Iron and steel (except scrap).....	1,643	19,802	54,074	97,704	2,839,964	82,253
Metals and metal work (other than iron and steel).....	634	7,534	19,665	38,355	1,599,846	52,684
Paper and paper products (general line).....	1,568	22,017	47,638	84,628	679,014	61,046
Paper and paper products (specialty other than specified).....	584	6,477	16,860	29,381	307,813	18,578
Stationery and stationery supplies.....	719	7,868	14,771	25,092	113,568	16,756
Wall paper.....	232	2,612	4,550	10,619	32,188	6,910
Petroleum and petroleum products.....	23,008	110,074	222,197	477,238	3,365,663	299,299
Plumbing equipment and supplies.....	2,151	30,327	63,120	120,447	701,746	106,325
Heating equipment and supplies.....	635	6,025	13,502	26,135	117,921	15,222
Tobacco and tobacco products (except leaf).....	2,016	19,636	38,838	116,343	1,691,173	65,148
Books, periodicals, and newspapers.....	636	16,134	27,564	59,494	203,041	25,297
Oils and greases (animal and vegetable).....	171	1,392	3,977	8,585	316,791	7,463
Rubber goods (general line).....	92	4,479	9,070	17,605	121,220	19,395
Textiles and textile materials (other than dry goods).....	1,299	11,843	27,361	53,232	831,884	65,596
Miscellaneous kinds of business.....	1,725	14,877	27,367	51,669	679,581	41,593

Source: Bureau of the Census, Department of Commerce.

No. 772.—WHOLESALE TRADE OF INDIVIDUAL CITIES OF 100,000 OR MORE INHABITANTS, 1929

[Net sales in thousands of dollars]

City	Number of establishments	Employees	Net sales	City	Number of establishments	Employees	Net sales
Akron, Ohio.....	201	2,628	105,532	Newark, N. J.....	643	9,652	393,420
Albany, N. Y.....	243	3,630	124,335	New Bedford, Mass.....	167	1,193	35,837
Atlanta, Ga.....	750	11,866	498,917	New Haven, Conn.....	389	3,835	138,850
Baltimore, Md.....	1,589	18,465	651,096	New Orleans, La.....	712	10,423	601,981
Birmingham, Ala.....	423	6,540	254,204	New York City (Greater New York).....	19,618	237,291	15,631,148
Boston, Mass.....	3,658	48,704	2,357,017	Bronx Borough.....	375	4,690	187,913
Bridgeport, Conn.....	145	1,893	74,574	Brooklyn Borough.....	1,818	19,332	699,107
Buffalo, N. Y.....	1,166	14,548	671,765	Manhattan Borough.....	16,948	205,836	14,529,672
Cambridge, Mass.....	121	2,659	55,755	Queens Borough.....	400	7,023	202,715
Camden, N. J.....	65	815	19,388	Richmond Borough.....	77	410	11,740
Canton, Ohio.....	120	1,204	35,224	Norfolk, Va.....	319	3,371	153,754
Chattanooga, Tenn.....	135	1,663	62,754	Oakland, Calif.....	390	5,712	129,170
Chicago, Ill.....	6,702	138,657	5,870,166	Oklahoma City, Okla.....	464	6,605	287,932
Cincinnati, Ohio.....	1,326	17,252	729,814	Omaha, Nebr.....	647	9,466	704,088
Cleveland, Ohio.....	1,968	24,946	1,106,723	Paterson, N. J.....	141	1,264	65,958
Columbus, Ohio.....	518	6,947	228,252	Peoria, Ill.....	215	2,698	98,759
Dallas, Tex.....	809	12,662	729,157	Philadelphia, Pa.....	4,857	52,636	2,280,884
Dayton, Ohio.....	237	3,133	112,669	Pittsburgh, Pa.....	1,849	27,435	1,484,500
Denver, Colo.....	934	10,554	395,958	Portland, Oreg.....	867	11,526	383,432
Des Moines, Iowa.....	333	5,453	149,075	Providence, R. I.....	577	6,427	246,423
Detroit, Mich.....	2,136	26,510	1,540,060	Reading, Pa.....	203	1,853	56,148
Duluth, Minn.....	185	3,281	171,363	Richmond, Va.....	416	7,143	233,611
Elizabeth, N. J.....	75	665	51,161	Rochester, N. Y.....	401	4,219	94,923
El Paso, Tex.....	205	2,075	74,384	St. Louis, Mo.....	1,940	40,769	1,430,981
Erie, Pa.....	159	1,254	31,947	St. Paul, Minn.....	462	8,030	221,746
Evansville, Ind.....	184	1,964	61,096	Salt Lake City, Utah.....	334	4,515	130,332
Fall River, Mass.....	130	898	55,144	San Antonio, Tex.....	343	4,715	138,820
Flint, Mich.....	102	1,365	38,519	San Diego, Calif.....	199	2,645	56,839
Fort Wayne, Ind.....	158	2,233	53,164	San Francisco, Calif.....	3,154	37,545	1,784,175
Fort Worth, Tex.....	240	3,426	276,844	Scranton, Pa.....	279	3,218	111,866
Gary, Ind.....	38	286	10,053	Seattle, Wash.....	1,220	15,001	574,707
Grand Rapids, Mich.....	416	3,938	152,630	Somerville, Mass.....	31	938	32,993
Hartford, Conn.....	323	7,804	125,187	South Bend, Ind.....	129	1,394	40,619
Houston, Tex.....	506	7,354	519,913	Spokane, Wash.....	256	4,473	134,049
Indianapolis, Ind.....	730	9,769	436,596	Springfield, Mass.....	254	3,513	115,560
Jacksonville, Fla.....	346	4,234	180,779	Syracuse, N. Y.....	460	4,976	178,538
Jersey City, N. J.....	169	3,658	117,769	Tacoma, Wash.....	150	2,661	55,940
Kansas City, Kans.....	97	2,614	92,217	Tampa, Fla.....	223	2,406	82,679
Kansas City, Mo.....	1,664	24,354	1,400,722	Toledo, Ohio.....	417	7,502	187,893
Knoxville, Tenn.....	135	2,082	53,448	Trenton, N. J.....	132	1,377	36,593
Long Beach, Calif.....	127	1,207	33,893	Tulsa, Okla.....	282	2,486	108,666
Los Angeles, Calif.....	3,153	40,581	1,379,989	Utica, N. Y.....	184	1,972	59,359
Louisville, Ky.....	528	9,664	267,679	Washington, D. C.....	496	7,575	261,083
Lowell, Mass.....	89	704	24,043	Wichita, Kans.....	256	3,125	161,155
Lynn, Mass.....	119	830	17,231	Wilmington, Del.....	127	1,742	102,114
Memphis, Tenn.....	628	9,449	652,877	Worcester, Mass.....	246	2,781	68,455
Miami, Fla.....	247	1,727	48,753	Yonkers, N. Y.....	74	809	27,695
Milwaukee, Wis.....	1,059	14,289	545,650	Youngstown, Ohio.....	194	2,970	100,942
Minneapolis, Minn.....	1,316	17,423	846,458				
Nashville, Tenn.....	225	3,103	129,897				

Source. Bureau of the Census, Department of Commerce.

RETAIL SALES

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No. 773.—RETAIL SALES: BY STATES, 1929 AND 1933

[All money figures in thousands of dollars]

Division and State	Number of stores		Net sales		Proprietors and firm members, 1933	Number of employees, 1933		Total payroll, 1933	
	1929	1933	1929	1933		Full-time	Part-time	Full-time	Part-time
United States ¹	1, 543, 188	1, 522, 955	49, 114, 653	25, 613, 515	1, 574, 363	2, 703, 996	732, 413	2, 660, 553	248, 295
New England.....	108, 764	105, 646	3, 785, 869	2, 187, 760	100, 130	232, 747	57, 903	247, 401	21, 451
Connecticut.....	22, 202	22, 407	768, 510	430, 526	20, 619	44, 508	11, 124	49, 228	4, 257
Maine.....	11, 091	11, 429	307, 627	184, 386	12, 104	17, 755	4, 392	17, 106	1, 609
Massachusetts.....	54, 183	52, 430	2, 054, 976	1, 195, 161	47, 538	133, 338	33, 047	143, 991	12, 233
New Hampshire.....	6, 557	6, 368	184, 285	111, 799	6, 518	10, 520	2, 949	10, 332	1, 045
Rhode Island.....	9, 542	8, 438	318, 295	167, 288	8, 127	19, 080	4, 397	19, 607	1, 635
Vermont.....	5, 189	4, 934	152, 176	78, 600	5, 224	7, 546	1, 964	7, 137	672
Middle Atlantic.....	385, 302	356, 919	12, 717, 899	6, 991, 588	355, 377	692, 477	154, 557	755, 415	59, 633
New Jersey ²	60, 010	63, 935	1, 843, 545	1, 011, 279	63, 413	95, 269	23, 747	110, 463	9, 027
New York ²	190, 017	177, 563	7, 070, 414	3, 965, 907	173, 815	378, 209	71, 781	435, 445	31, 369
Pennsylvania ²	135, 275	115, 421	3, 803, 940	2, 014, 402	118, 149	218, 999	59, 029	209, 507	19, 237
East North Central.....	317, 667	327, 367	11, 262, 958	5, 408, 312	338, 499	588, 782	182, 774	588, 046	63, 217
Illinois ²	96, 900	98, 793	3, 711, 903	1, 727, 407	99, 845	198, 305	55, 540	206, 913	21, 817
Indiana.....	41, 618	41, 256	1, 222, 384	569, 972	44, 006	63, 065	21, 842	56, 608	6, 707
Michigan ²	55, 988	56, 937	2, 226, 398	1, 069, 872	59, 807	105, 352	29, 789	98, 377	9, 725
Ohio ²	83, 717	85, 818	2, 864, 831	1, 417, 105	88, 204	156, 943	50, 798	146, 582	17, 004
Wisconsin.....	39, 474	44, 563	1, 237, 442	623, 952	46, 577	61, 517	24, 721	59, 566	7, 964
West North Central.....	170, 644	180, 307	5, 269, 554	2, 641, 958	193, 758	283, 928	83, 202	256, 333	25, 502
Iowa.....	32, 716	34, 643	972, 146	479, 695	37, 323	49, 182	16, 962	42, 190	4, 830
Kansas.....	25, 605	26, 779	744, 586	329, 178	29, 082	34, 124	12, 172	29, 392	3, 421
Minnesota.....	30, 725	33, 879	1, 051, 930	585, 102	35, 916	62, 795	16, 125	59, 267	5, 516
Missouri.....	47, 039	49, 247	1, 448, 220	759, 125	53, 410	89, 166	23, 431	82, 804	7, 672
Nebraska.....	17, 637	19, 212	562, 945	274, 875	20, 829	29, 085	8, 967	25, 671	2, 778
North Dakota.....	8, 077	7, 981	234, 540	108, 087	8, 391	9, 487	2, 463	8, 478	823
South Dakota.....	8, 845	8, 566	255, 197	106, 196	8, 807	10, 089	3, 082	8, 531	862
South Atlantic.....	169, 068	168, 200	4, 201, 755	2, 477, 028	174, 586	277, 813	80, 076	247, 178	21, 951
Delaware.....	3, 688	3, 420	103, 512	57, 910	3, 200	5, 673	1, 890	5, 761	570
Dist. of Col.....	5, 931	6, 156	336, 262	241, 515	5, 516	28, 508	4, 397	31, 918	1, 763
Florida.....	22, 449	21, 697	504, 523	288, 804	22, 383	33, 483	9, 453	28, 545	2, 438
Georgia.....	28, 687	26, 881	635, 440	352, 916	28, 179	42, 114	12, 311	32, 781	2, 982
Maryland.....	21, 082	23, 487	619, 573	384, 384	24, 653	42, 724	12, 587	41, 335	4, 372
North Carolina.....	28, 831	27, 652	653, 419	363, 111	29, 252	39, 182	14, 000	32, 024	3, 141
South Carolina.....	15, 036	16, 528	800, 220	186, 215	16, 097	20, 218	7, 444	15, 416	1, 546
Virginia.....	26, 120	26, 451	600, 929	358, 102	27, 350	41, 118	10, 857	37, 034	3, 031
West Virginia.....	17, 244	17, 128	447, 877	244, 071	17, 956	24, 793	7, 137	22, 362	2, 108
East South Central.....	89, 199	83, 270	2, 171, 995	1, 025, 923	89, 645	116, 939	33, 662	92, 390	8, 459
Alabama.....	21, 442	20, 049	527, 101	250, 384	21, 292	29, 962	8, 686	21, 780	2, 008
Kentucky.....	27, 117	25, 672	587, 340	304, 605	27, 648	32, 503	9, 847	27, 470	2, 750
Mississippi.....	17, 256	14, 772	413, 737	140, 855	16, 079	16, 906	4, 831	12, 211	1, 066
Tennessee.....	23, 384	22, 777	643, 817	330, 079	24, 626	37, 568	10, 298	30, 929	2, 635
West South Central.....	135, 482	131, 762	3, 797, 371	1, 745, 021	142, 417	203, 217	50, 007	168, 734	13, 220
Arkansas.....	17, 937	15, 918	412, 680	180, 095	17, 965	18, 323	5, 594	13, 935	1, 364
Louisiana.....	23, 288	22, 239	476, 643	264, 123	22, 808	36, 970	6, 381	28, 666	1, 745
Oklahoma.....	27, 339	26, 434	795, 028	341, 774	29, 206	38, 008	10, 768	31, 575	3, 054
Texas ²	66, 912	67, 171	2, 043, 020	959, 029	72, 438	109, 916	27, 264	94, 558	7, 057
Mountain.....	44, 661	44, 301	1, 548, 650	748, 514	47, 101	73, 149	21, 076	73, 941	7, 282
Arizona.....	5, 068	4, 749	198, 620	76, 250	5, 039	7, 344	2, 471	7, 542	913
Colorado.....	13, 993	13, 700	466, 959	236, 314	14, 583	25, 816	6, 623	25, 060	2, 114
Idaho.....	4, 916	5, 139	169, 087	87, 406	5, 526	7, 183	2, 666	7, 119	821
Montana.....	6, 951	6, 732	243, 828	112, 382	7, 184	10, 147	2, 958	10, 605	1, 208
Nevada.....	1, 310	1, 463	50, 401	28, 680	1, 490	2, 438	737	3, 002	315
New Mexico.....	4, 191	4, 246	119, 759	53, 944	4, 613	5, 321	1, 504	4, 890	461
Utah.....	5, 249	5, 103	196, 559	95, 568	5, 169	9, 914	2, 948	9, 422	974
Wyoming.....	2, 983	3, 169	103, 437	55, 970	3, 497	4, 986	1, 169	5, 301	476
Pacific.....	122, 371	125, 183	4, 428, 602	2, 409, 411	132, 850	234, 944	69, 240	252, 117	27, 580
California ²	85, 691	89, 107	3, 210, 863	1, 816, 793	94, 254	175, 118	50, 178	192, 874	20, 497
Oregon.....	14, 570	13, 769	455, 931	224, 447	15, 407	22, 335	6, 440	21, 634	2, 430
Washington.....	22, 110	22, 307	761, 808	368, 171	23, 189	37, 491	12, 622	37, 609	4, 653

¹ Figures for 1933 are subject to slight changes.

² Preliminary data for 1933

Source Bureau of the Census, Department of Commerce.

No. 774.—RETAIL TRADE: BY TYPE OF OPERATION, 1929

NOTE.—The total known retail sales in 1929 amounted to \$52,718,288,000, including besides the \$49,114,653,000 sales through retail stores analyzed in this table and Tables 773, 775, and 776, \$129,501,000 additional milk dealer sales, \$2,426,016,000 direct consumer sales by manufacturers, \$689,817,000 retail sales by wholesalers, and \$358,301,000 from sales of meals in hotel dining rooms.

[All money figures in thousands of dollars]

	Number of stores	Employees		Salaries and wages			Total net sales	Stocks on hand, end of year (at cost)
		Full time	Part time	Total	Full time	Part time		
United States, total.....	1, 543, 158	3, 833, 581	676, 559	5, 189, 670	5, 028, 282	161, 388	49, 114, 653	7, 262, 583
Single-store independents.....	1, 230, 300	2, 421, 438	439, 192	3, 247, 836	3, 138, 981	108, 955	31, 486, 128	4, 981, 910
2-store independents.....	49, 071	256, 497	29, 835	367, 242	360, 002	7, 240	3, 020, 443	474, 886
3-store independents.....	15, 512	108, 769	14, 764	165, 264	161, 861	3, 403	1, 255, 142	207, 501
Local branch systems.....	231	5, 447	404	8, 771	8, 554	217	64, 441	10, 703
Local chains.....	52, 465	263, 568	36, 646	395, 577	386, 612	8, 965	3, 293, 890	393, 832
Sectional chains.....	41, 083	180, 496	33, 779	259, 390	251, 216	8, 174	2, 191, 250	228, 347
National chains.....	51, 058	341, 772	79, 906	412, 447	399, 688	15, 759	3, 960, 087	376, 017
Other types of operation								
Mail-order houses (catalogue only).....	271	41, 756	1, 565	45, 408	45, 039	369	515, 237	86, 862
Direct selling (house-to-house).....	1, 661	30, 380	435	33, 018	32, 923	95	93, 061	4, 335
Roadside markets or stands.....	840	214	274	151	115	36	2, 459	213
Curb-side markets or stands.....	3, 662	365	114	396	372	24	16, 155	483
Itinerant vendors.....	1, 384	208	111	260	232	28	7, 131	200
Rolling stores.....	244	411	52	719	712	7	3, 971	371
Industrial stores (including commissaries).....	1, 347	6, 104	542	8, 837	8, 721	116	115, 683	14, 732
Leased departments—dependent operators.....	596	2, 460	439	3, 176	3, 088	88	24, 321	4, 550
Leased department chains.....	3, 675	16, 702	1, 851	22, 310	21, 947	363	129, 702	14, 534
Utility-operated retail stores.....	4, 053	16, 462	4, 347	26, 370	25, 177	1, 193	163, 371	31, 906
Manufacturer-controlled chains.....	3, 431	43, 455	1, 416	81, 605	81, 306	299	389, 618	54, 151
Cooperative stores.....	1, 143	3, 429	753	4, 583	4, 436	147	76, 035	9, 759
Cooperative buying associations.....	566	1, 294	399	1, 788	1, 707	81	40, 960	3, 696
Retailers—country buyers.....	73, 274	63, 356	24, 888	65, 510	60, 831	4, 679	1, 779, 278	298, 287
Retailers—wholesalers.....	7, 121	28, 407	4, 775	37, 964	36, 827	1, 137	478, 071	63, 961
All other types of operation.....	170	590	73	948	936	12	9, 418	1, 347

Source: Bureau of the Census, Department of Commerce.

No. 775.—RETAIL TRADE, INDEPENDENTS, CHAINS, AND OTHER TYPES: 17 KINDS OF BUSINESS, 1929

[Net sales in thousands of dollars]

Kind of business	Independents (1, 2, and 3 store independents)		Chains (local, sectional, and national)		All other types of operation	
	Number of stores	Net sales	Number of stores	Net sales	Number of stores	Net sales
Department stores.....	2, 166	3, 140, 287	1, 964	725, 021	91	484, 790
Variety, 5-and-10, and to-a-dollar stores.....	6, 603	88, 340	5, 377	814, 762	130	1, 045
Men's and boys' clothing and furnishings stores.....	25, 114	929, 365	2, 815	252, 354	268	11, 003
Clothing stores—men's, women's, and children's.....	8, 860	394, 707	1, 585	150, 739	106	6, 907
Women's ready-to-wear specialty shops—apparel and accessories.....	15, 966	807, 811	1, 914	246, 960	373	32, 830
Shoe stores.....	17, 938	431, 818	5, 092	306, 216	1, 229	68, 795
Furniture stores.....	23, 902	1, 268, 112	1, 004	213, 661	248	28, 877
Radio and music stores.....	15, 081	443, 974	794	107, 279	162	10, 519
Grocery stores (without meats).....	142, 245	1, 674, 805	35, 389	1, 576, 252	14, 262	198, 072
Combination stores (groceries and meats).....	91, 837	2, 463, 173	17, 249	1, 257, 727	6, 463	182, 762
Restaurants, cafeterias.....	94, 546	1, 551, 912	2, 153	245, 788	251	5, 213
Cigar stores and cigar stands.....	30, 910	301, 328	2, 162	102, 980	176	5, 756
Filling stations.....	90, 365	1, 113, 012	28, 617	605, 204	2, 531	69, 207
Coal and wood yards—ice dealers.....	17, 258	811, 159	1, 401	185, 666	459	16, 544
Drug stores.....	54, 685	1, 371, 986	3, 526	312, 451	147	5, 962
Hardware stores.....	24, 659	667, 829	352	21, 141	319	17, 083
Jewelry stores.....	19, 534	498, 602	370	34, 246	94	3, 432

Source: Bureau of the Census, Department of Commerce.

No. 776.—RETAIL TRADE: BY KIND OF BUSINESS, 1929

[All money figures in thousands of dollars]

Kind of business	Number of stores	Proprietors and firm members	Employees (full time)	Salaries and wages, total ¹	Net sales
United States total.....	1, 543, 158	1, 510, 607	3, 833, 581	5, 189, 670	49, 114, 653
Food group.....	481, 891	468, 301	569, 632	767, 207	10, 837, 422
Candy and confectionery stores					
Candy stores—nut stores.....	2, 658	1, 882	4, 143	4, 365	34, 913
Confectionery stores (candy and fountain).....	60, 607	65, 714	42, 929	41, 359	536, 636
Dairy products stores					
Dairy products stores (including ice cream).....	4, 488	3, 879	9, 332	13, 583	165, 965
Egg and poultry dealers.....	3, 258	3, 513	2, 573	3, 320	70, 858
Milk dealers (incomplete).....	3, 990	4, 063	52, 975	101, 027	560, 996
Delicatessen stores.....	11, 166	12, 184	9, 058	10, 696	194, 820
Fruit stores and vegetable markets.....	22, 904	25, 106	16, 368	20, 583	308, 379
Grocery stores (without meats) ²	191, 876	171, 991	143, 413	183, 439	3, 449, 129
Combination stores (groceries and meats).					
Grocery stores with meats.....	91, 888	87, 420	148, 819	192, 504	3, 025, 305
Meat markets with groceries.....	23, 661	25, 866	44, 907	61, 759	878, 357
Meat markets (including sea foods)					
Fish markets—sea foods.....	6, 077	6, 571	6, 202	7, 500	83, 698
Meat markets.....	43, 788	45, 248	55, 318	84, 898	1, 253, 260
Bakeries—caterers					
Bakeries—bakery goods stores (except manufacturing bakeries).....	11, 903	11, 698	24, 571	29, 328	193, 563
Caterers.....	110	84	1, 180	1, 733	7, 530
Other food stores					
Coffee, tea, spice dealers.....	1, 236	834	4, 914	7, 438	44, 938
Farm products stores.....	974	1, 023	455	456	8, 942
General food stores (miscellaneous).....	686	666	633	618	8, 598
Bottled waters and beverage dealers.....	621	559	1, 842	2, 598	11, 533
General stores.....	104, 089	121, 366	107, 023	115, 511	2, 570, 744
General stores—groceries with apparel.....	5, 426	6, 200	4, 532	4, 919	111, 075
General stores—groceries with dry goods.....	40, 159	46, 264	29, 350	29, 095	718, 226
General stores—groceries with other merchandise.....	58, 504	68, 902	73, 141	81, 496	1, 746, 443
General merchandise group.....	54, 636	47, 821	702, 822	818, 930	6, 444, 101
Department stores.					
With food departments.....	460	184	107, 354	139, 293	939, 411
Without food departments.....	3, 730	1, 249	342, 138	443, 091	2, 963, 663
Mail-order houses—general merchandise.....	31	8	35, 483	38, 607	447, 024
Dry goods stores.					
Dry goods stores.....	24, 676	25, 885	49, 538	55, 962	641, 386
Piece goods stores.....	774	757	1, 032	1, 503	21, 822
General merchandise stores					
With food departments.....	2, 182	2, 150	8, 472	10, 805	139, 405
Without food departments.....	9, 849	9, 527	28, 803	31, 905	363, 887
Army and Navy goods stores.....	724	646	1, 072	1, 576	19, 783
Women's exchanges.....	100	72	610	827	3, 573
Variety, 5-and-10, and to-a-dollar stores.....	12, 110	7, 343	128, 320	95, 362	904, 147
Automotive group.....	257, 685	242, 800	628, 333	934, 402	9, 615, 810
Motor vehicle dealers (new and used).					
Automobile sales rooms.....	40, 797	38, 790	330, 617	528, 988	6, 153, 217
Used car dealers.....	3, 097	3, 036	7, 274	11, 805	140, 932
Automobile dealers with farm implements and machinery.....	1, 407	1, 635	5, 679	8, 217	113, 363
Accessories, tires, and batteries					
Accessory stores with tires and batteries.....	7, 762	6, 801	20, 336	30, 990	257, 742
Battery and ignition shops—brake repair shops.....	6, 409	6, 819	10, 550	15, 442	94, 238
Tire shops (including tire repairs).....	8, 142	7, 341	20, 000	29, 671	247, 314
Filling stations.					
Filling stations—gasoline and oil.....	52, 728	32, 281	66, 655	87, 517	869, 081
Filling stations with tires and accessories.....	26, 775	27, 269	35, 339	43, 173	516, 917
Filling stations with other merchandise.....	42, 011	41, 196	24, 727	28, 521	401, 425
Motor cycles, bicycles, and supplies					
Motor-cycle dealers.....	298	292	668	988	8, 035
Bicycles, motor cycles, and supplies stores.....	255	278	433	585	4, 640
Bicycle shops.....	879	925	630	747	7, 570

¹ Including full-time and part-time² See also Feed stores with groceries in "Other retail stores" group.

No. 776.—RETAIL TRADE: BY KIND OF BUSINESS, 1929—Continued

[All money figures in thousands of dollars]

Kind of business	Number of stores	Proprietors and firm members	Employees (full time)	Salaries and wages, total	Net sales
Automotive group—Continued					
Garages and repair shops					
Body, fender, and paint shops	3, 379	3, 754	9, 596	15, 289	46, 106
Garages (repairs, storage, gasoline, oil, accessories)	60, 627	69, 746	88, 357	121, 257	693, 063
Parking stations, parking garages, and lots	2, 059	1, 585	5, 015	7, 442	39, 262
Radiator shops (including repairs)	728	818	1, 041	1, 554	6, 569
Other automotive establishments					
Aircraft and accessories	114	26	882	1, 344	5, 594
Boats (motor boats, yachts, canoes)	219	208	534	871	10, 741
Apparel group	114, 296	99, 613	329, 254	505, 352	4, 240, 893
Men's and boys' clothing and furnishings stores:					
Men's and boys' clothing stores	3, 386	2, 407	9, 335	18, 317	176, 419
Men's and boys' hat stores	1, 568	907	2, 586	4, 852	43, 744
Men's furnishings stores	9, 106	8, 798	10, 051	17, 267	212, 032
Men's clothing and furnishings stores	14, 049	14, 242	45, 389	82, 928	760, 528
Family clothing stores—men's, women's, children's	10, 551	9, 345	43, 555	65, 086	522, 353
Women's ready-to-wear specialty shops—apparel and accessories	18, 253	15, 751	100, 791	134, 582	1, 087, 601
Women's accessories stores					
Blouse shops	11	12	30	31	313
Corset and lingerie shops	2, 390	2, 170	3, 624	4, 591	49, 556
Furriers—fur shops	2, 280	2, 103	7, 506	14, 344	106, 861
Hosiery shops	1, 943	1, 211	8, 940	9, 860	54, 830
Knit goods shops	464	364	863	1, 056	11, 548
Millinery stores (including leased millinery departments)	12, 433	10, 106	19, 106	23, 788	161, 807
Costume accessories stores (including jewelry, bags, and gloves)	323	254	582	715	6, 781
Umbrella shops (including parasols, canes)	127	81	95	115	1, 146
Other apparel stores					
Children's specialty shops	1, 019	1, 027	1, 458	1, 861	23, 982
Custom tailors	11, 284	11, 624	23, 277	39, 138	165, 048
Dressmakers	463	486	2, 804	4, 029	11, 611
Infants' wear shops	290	315	335	437	5, 983
Mail-order apparel houses	9	2	111	136	2, 121
Shoe stores					
Shoe stores—men's	1, 402	418	2, 810	5, 194	61, 507
Shoe stores—women's	1, 666	535	8, 146	15, 673	130, 681
Shoe stores—men's, women's, children's	21, 191	17, 455	37, 860	61, 351	614, 641
Furniture and household group	58, 941	51, 962	249, 945	404, 095	2, 754, 721
Furniture stores					
Furniture stores	17, 891	16, 550	105, 185	176, 862	1, 272, 393
Furniture and undertaker	3, 590	4, 491	5, 886	8, 790	103, 163
Furniture and hardware stores	3, 672	4, 386	8, 260	11, 425	134, 259
Floor coverings, drapery, curtain, and upholstery stores					
Floor coverings, drapery, and upholstery stores	973	975	2, 021	2, 992	18, 735
Floor coverings stores	1, 503	1, 475	6, 348	10, 280	73, 428
Household appliance stores					
Household appliance stores (electrical)	6, 637	1, 939	36, 729	55, 574	228, 810
Household appliance stores	1, 757	268	10, 202	16, 742	99, 898
Refrigerator dealers (electric only)	492	325	3, 874	6, 922	49, 012
Refrigerator dealers (electric and gas)	45	37	176	269	1, 984
Other home furnishing and appliance stores:					
Aluminumware	58	3	1, 333	1, 358	4, 471
Antique and used furniture dealers	715	768	951	1, 649	10, 025
Brushes and brooms	269	97	3, 388	4, 642	9, 765
China, glassware, crockery, tinware, enamelware	1, 008	922	2, 748	4, 077	30, 657
Picture and framing stores	690	694	1, 046	1, 507	8, 748
Stove and range dealers	398	307	1, 031	1, 639	9, 357
Antique shops	1, 384	1, 409	2, 842	5, 062	50, 348
Awning, flag, banner, window shade, and tent shops	841	882	1, 872	2, 661	15, 563
Interior decorators	701	616	5, 864	11, 663	68, 818
Lamp and shade shops	280	287	368	485	3, 516
Radio and music stores					
Radio and electrical shops ³	11, 783	11, 910	29, 999	45, 411	337, 294
Radio and musical instruments stores ⁴	4, 254	3, 621	20, 322	34, 585	224, 478
Restaurants, cafeteria, and eating places	134, 293	148, 948	419, 994	396, 076	2, 124, 890
Restaurants, cafeterias:					
Cafeterias	3, 124	1, 992	56, 330	57, 888	272, 739
Lunch rooms	57, 612	64, 855	93, 121	82, 232	541, 702
Restaurants with table service	36, 214	42, 990	222, 321	208, 580	988, 473

³ See also Electrical shops (without radio) in "Lumber and building group."⁴ See also Music stores (without radio) in "Other retail stores" group.

No. 776.—RETAIL TRADE: BY KIND OF BUSINESS, 1929—Continued

[All money figures in thousands of dollars]

Kind of business	Number of stores	Proprietors and firm members	Employees (full time)	Salaries and wages, total	Net sales
Restaurants, cafeterias, etc.—Continued.					
Lunch counters, refreshment stands, etc					
Box lunches.....	161	179	1,123	1,278	6,335
Refreshment stands.....	7,764	8,003	5,409	5,014	46,005
Fountains—lunches.....	1,906	1,658	11,982	12,207	64,565
Lunch counters.....	17,119	18,446	25,966	25,018	162,181
Soft-drink stands.....	10,393	10,825	3,742	3,868	42,892
Lumber and building group	52,814	43,480	215,830	359,985	2,621,064
Lumber and building material dealers					
Lumber and building material dealers.....	16,911	10,167	96,926	163,437	1,471,745
Lumber and hardware.....	6,139	3,242	28,868	46,730	457,600
Roofing.....	2,868	3,165	7,728	11,453	46,160
Dealers in any other single building material.....	459	482	961	1,235	5,718
Electrical shops (without radio).....	4,858	4,895	14,278	23,539	110,131
Heating and plumbing shops					
Heating appliances and oil burners.....	1,915	993	10,366	20,320	70,737
Plumbing shops—heating and ventilating.....	10,794	11,966	35,723	60,003	263,540
Paint and glass stores					
Glass and mirror shops.....	588	609	1,093	1,853	9,552
Paint and glass stores.....	8,282	7,961	19,887	31,415	185,820
Other retail stores	269,448	270,217	595,920	887,949	7,756,941
Hardware stores	25,330	27,692	48,709	73,272	706,053
Hardware and farm implement stores					
Farm implements, machinery and equipment dealers.....	4,980	5,777	7,316	10,591	174,975
Farm implement dealers with hay, grain, and feed.....	673	721	1,587	2,119	46,818
Hardware and farm implement stores.....	6,589	7,909	16,130	22,396	296,714
Farmers' supplies					
Feed stores (flour, feed, grain, fertilizer).....	9,953	9,835	15,823	20,035	480,305
Fertilizer stores.....	1,213	1,234	612	692	21,669
Harness shops.....	2,567	2,741	1,051	1,370	16,266
Irrigation and drainage equipment and supplies (retail).....	46	50	208	346	1,508
Farmers' supply stores.....	306	300	898	1,216	15,377
Seeds, bulbs, and nursery stock.....	1,459	1,330	7,884	11,305	70,640
Cooperage—barrels, boxes, crates, casks.....	119	113	310	365	2,962
Coal and feed stores.....	4,093	4,193	11,803	16,429	287,707
Grain elevators (sales at retail).....	221	189	508	647	17,495
Feed stores with groceries.....	7,127	8,306	8,163	8,634	205,236
Bookstores					
Bookstores.....	2,720	2,358	12,397	18,209	116,371
Circulating libraries.....	89	93	68	74	650
Cigar stores and cigar stands					
Cigar stores with fountains.....	2,234	2,179	3,555	4,253	44,732
Cigar stands.....	12,239	13,416	10,863	12,219	97,947
Cigar stores without fountains.....	18,775	18,387	13,115	17,763	267,384
Coal and wood yards—ice dealers^a					
Coal and wood yards.....	15,444	14,787	65,810	101,158	929,829
Ice dealers.....	3,674	2,942	14,408	20,189	83,540
Drug stores					
Drug stores without fountains.....	23,414	24,381	42,467	58,828	541,139
Drug stores with fountains.....	34,844	35,034	106,113	136,915	1,149,260
Florists	9,328	10,015	22,064	30,760	176,201
Gifts, novelties, and toys—cameras:					
Toy shops.....	620	613	886	1,061	11,544
Art and gift shops.....	2,959	3,097	3,591	4,304	38,594
Novelty and souvenir shops.....	2,227	2,348	2,294	2,349	22,908
Camera dealers—photographic supplies.....	710	653	3,037	4,251	28,810
Jewelry stores					
Jewelry stores (installment credit).....	837	420	7,450	14,464	93,413
Jewelry stores.....	19,161	19,562	30,823	55,098	442,898
Luggage and leather goods.....	1,367	1,255	2,829	4,556	40,312
Music stores (without radio).....	2,232	1,943	5,410	8,915	54,742
News dealers.....	10,285	8,608	16,101	14,890	149,806
Office, school, and store supplies and equipment dealers					
Office and school supplies.....	1,176	922	6,832	10,741	61,825
Office and store mechanical appliance dealers (retail).....	1,284	347	14,108	30,786	112,756
Office and store furniture and equipment dealers.....	985	593	6,783	13,315	89,623
Store fixture dealers.....	348	314	1,163	2,355	16,670
Typewriter dealers.....	878	476	6,443	11,630	43,150
Opticians and optometrists	3,001	2,687	5,014	10,132	50,000

^a See also Coal and feed stores above.

No. 776.—RETAIL TRADE: BY KIND OF BUSINESS, 1929—Continued

[All money figures in thousands of dollars]

Kind of business	Number of stores	Proprietors and firm members	Employees (full time)	Salaries and wages, total	Net sales
Other retail stores—Continued					
Sporting-goods stores, including athletic and playground equipment.					
Sporting goods specialty stores.....	1,238	1,227	3,190	5,045	44,888
Sporting goods stores with toys and stationery.....	675	678	1,356	1,941	19,894
Athletic and playground equipment.....	17	12	52	80	683
Scientific and medical instruments and supplies, at retail.....	574	399	2,827	4,947	31,166
Stationers and printers.....					
Blank books, accounting and legal forms.....	80	46	510	1,053	4,384
Paper and paper products stores.....	135	125	413	631	4,700
Printers and lithographers.....	1,084	1,121	1,726	2,662	11,638
Stationers and engravers.....	1,572	1,457	7,678	11,730	72,566
Monuments and tombstones.....	2,564	2,897	4,990	8,770	48,653
Miscellaneous classifications (combined).....	25,969	26,385	47,652	72,461	510,611
Secondhand stores.....	15,065	16,099	14,828	20,162	148,068
Tires, accessories, and parts (secondhand).....	2,820	3,145	3,755	4,685	25,843
Furniture stores (secondhand).....	5,643	6,042	3,326	3,959	37,749
Pawn shops (sales).....	1,509	1,599	2,396	4,331	35,537
Clothing and shoe stores (secondhand).....	2,606	2,697	1,027	1,109	12,042
Building materials and hardware stores (secondhand).....	429	421	1,536	2,088	9,286
Book stores (secondhand).....	175	172	193	320	2,372
Office appliances (secondhand).....	112	114	299	422	2,132
Radios, phonographs, musical instruments (secondhand).....					
.....	81	86	38	47	497
Other secondhand stores.....	1,690	1,823	2,258	3,201	22,610

Source Bureau of the Census, Department of Commerce

No. 777.—RETAIL SALES FOR INDIVIDUAL CITIES OF 50,000 OR MORE INHABITANTS, 1929

[Net sales in thousands of dollars For population of cities see Table 20, p. 20]

City	Number of stores	Employees (full-time)	Net sales	City	Number of stores	Employees (full-time)	Net sales
Akron, Ohio.....	3,057	11,606	140,469	Cicero, Ill.....	819	1,251	21,502
Albany, N. Y.....	1,909	8,689	102,287	Cincinnati, Ohio.....	6,950	25,933	291,083
Allentown, Pa.....	1,401	5,402	59,666	Cleveland, Ohio.....	12,470	46,497	534,061
Altoona, Pa.....	1,171	3,978	39,092	Cleveland Heights, Ohio.....	294	968	12,403
Asheville, N. C.....	664	2,936	29,519	Columbia, S. C.....	803	3,179	28,699
Atlanta, Ga.....	3,754	19,602	180,565	Columbus, Ohio.....	3,722	16,799	170,930
Atlantic City, N. J.....	1,649	6,331	70,495	Covington, Ky.....	857	1,962	25,722
Augusta, Ga.....	898	2,683	24,307	Dallas, Tex.....	3,445	17,222	178,927
Austin, Tex.....	756	2,855	31,047	Davenport, Iowa.....	918	4,130	43,684
Baltimore, Md.....	12,285	38,907	406,352	Dayton, Ohio.....	2,010	10,481	118,507
Bayonne, N. J.....	1,403	1,613	29,381	Dearborn, Mich.....	265	883	14,580
Beaumont, Tex.....	759	3,514	36,231	Decatur, Ill.....	844	3,109	32,709
Berkeley, Calif.....	1,114	2,606	32,538	Denver, Colo.....	4,426	19,404	194,163
Bethlehem, Pa.....	913	1,944	23,387	Des Moines, Iowa.....	2,031	8,848	89,665
Binghamton, N. Y.....	1,226	4,178	52,329	Detroit, Mich.....	17,169	69,013	890,189
Birmingham, Ala.....	2,799	13,669	129,365	Duluth, Minn.....	1,286	5,564	55,851
Boston, Mass.....	9,972	66,244	672,760	Durham, N. C.....	667	1,891	21,269
Bridgeport, Conn.....	2,181	6,501	79,410	East Chicago, Ind.....	752	1,204	17,406
Brockton, Mass.....	888	2,960	35,004	East Orange, N. J.....	821	2,056	29,621
Buffalo, N. Y.....	9,786	28,003	342,855	East St. Louis, Ill.....	1,057	2,657	33,109
Cambridge, Mass.....	1,494	4,472	54,904	Elizabeth, N. J.....	2,171	3,823	60,156
Camden, N. J.....	1,839	4,418	54,320	El Paso, Tex.....	1,308	5,289	54,993
Canton, Ohio.....	1,433	5,308	63,991	Erie, Pa.....	1,881	4,999	59,033
Cedar Rapids, Iowa.....	821	3,062	34,932	Evanston, Ill.....	834	3,994	49,210
Charleston, S. C.....	830	2,682	25,105	Evansville, Ind.....	1,588	4,803	47,634
Charleston, W. Va.....	886	3,693	42,839	Fall River, Mass.....	1,551	4,012	45,997
Charlotte, N. C.....	954	4,891	48,135	Flint, Mich.....	1,754	7,031	93,444
Chattanooga, Tenn.....	1,345	5,721	58,048	Fort Wayne, Ind.....	1,459	6,353	69,626
Chester, Pa.....	1,107	2,041	29,689	Fort Worth, Tex.....	1,981	9,103	99,859
Chicago, Ill.....	43,576	177,969	2,127,520	Fresno, Calif.....	1,451	4,036	52,654

No. 777.—RETAIL SALES FOR INDIVIDUAL CITIES OF 50,000 OR MORE INHABITANTS, 1929—Continued

[Net Sales in thousands of dollars]

City	Number of stores	Employees (full-time)	Net sales	City	Number of stores	Employees (full-time)	Net sales
Galveston, Tex.	824	2,628	26,966	Passaic, N. J.	1,046	1,971	32,688
Gary, Ind.	1,283	3,821	48,246	Paterson, N. J.	2,166	5,683	85,026
Glendale, Calif.	999	2,844	36,805	Pawtucket, R. I.	1,056	3,154	40,763
Grand Rapids, Mich.	2,560	9,862	114,532	Peoria, Ill.	1,432	7,087	70,345
Greensboro, N. C.	630	2,677	26,830	Philadelphia, Pa.	33,905	102,032	1,083,914
Hamilton, Ohio	661	2,111	28,150	Pittsburgh, Pa.	8,547	41,618	441,143
Hammond, Ind.	666	2,325	29,882	Pontiac, Mich.	833	3,196	44,477
Hamtramck, Mich.	648	1,253	19,787	Port Arthur, Tex.	491	1,726	21,731
Harrisburg, Pa.	1,859	5,619	87,542	Portland, Me.	1,225	5,383	56,281
Hartford, Conn.	2,313	12,173	128,802	Portland, Oreg.	5,150	19,746	208,601
Highland Park, Mich.	488	1,929	30,859	Providence, R. I.	4,036	16,498	173,489
Hoboken, N. J.	1,095	1,593	24,358	Pueblo, Colo.	706	2,441	26,944
Holyoke, Mass.	1,028	2,511	29,141	Quincy, Mass.	869	2,539	82,745
Houston, Tex.	3,825	17,228	184,680	Racine, Wis.	1,139	2,883	40,738
Huntington, W. Va.	916	3,000	33,361	Reading, Pa.	1,791	6,100	72,790
Indianapolis, Ind.	4,911	22,964	220,628	Richmond, Va.	2,558	10,614	104,043
Irrington, N. J.	593	981	20,436	Roanoke, Va.	985	4,635	42,782
Jackson, Mich.	753	3,453	41,548	Rochester, N. Y.	5,144	18,370	208,492
Jacksonville, Fla.	2,027	7,536	65,910	Rockford, Ill.	1,158	4,810	56,510
Jersey City, N. J.	4,369	7,676	121,085	Sacramento, Calif.	1,567	5,700	73,169
Johnstown, Pa.	946	3,934	42,851	Saginaw, Mich.	1,040	3,664	47,444
Kalamazoo, Mich.	812	3,187	41,973	St. Joseph, Mo.	1,217	4,440	44,627
Kansas City, Kans.	1,589	3,143	40,517	St. Louis, Mo.	12,571	45,574	471,950
Kansas City, Mo.	6,188	34,297	349,918	St. Paul, Minn.	3,129	15,287	170,733
Kenosha, Wis.	690	1,646	25,030	Salt Lake City, Utah.	1,546	8,482	89,427
Knoxville, Tenn.	1,382	5,618	55,027	San Antonio, Tex.	3,315	12,904	120,259
Lakewood, Ohio	609	1,495	22,524	San Diego, Calif.	2,349	7,814	94,772
Lancaster, Pa.	941	3,674	39,678	San Francisco, Calif.	10,849	44,307	474,683
Lansing, Mich.	981	4,406	56,801	San Jose, Calif.	1,032	3,976	46,942
Lawrence, Mass.	1,220	2,725	36,916	Savannah, Ga.	1,225	3,996	83,611
Lincoln, Nebr.	986	4,797	50,034	Schenectady, N. Y.	1,418	4,356	60,419
Little Rock, Ark.	1,040	4,680	46,733	Scranton, Pa.	2,336	7,616	77,772
Long Beach, Calif.	2,107	5,958	78,252	Seattle, Wash.	5,625	23,628	252,169
Los Angeles, Calif.	17,887	76,584	875,775	Shreveport, La.	940	4,436	40,192
Louisville, Ky.	3,952	16,092	152,850	Sioux City, Iowa.	1,059	4,557	52,145
Lowell, Mass.	1,535	4,071	44,650	Somerville, Mass.	905	2,368	30,200
Lynn, Mass.	1,445	4,466	51,714	South Bend, Ind.	1,622	5,725	67,949
Macon, Ga.	590	3,005	25,572	Spokane, Wash.	1,696	6,766	74,889
Madison, Wis.	973	3,907	46,813	Springfield, Ill.	1,040	4,520	45,693
Malden, Mass.	761	2,053	25,837	Springfield, Mass.	2,233	9,579	107,587
Manchester, N. H.	1,124	3,112	37,706	Springfield, Mo.	865	2,876	30,363
McKeesport, Pa.	812	2,354	27,540	Springfield, Ohio.	968	3,084	36,119
Medford, Mass.	387	922	12,300	Syracuse, N. Y.	3,128	11,953	136,592
Memphis, Tenn.	3,147	15,381	151,235	Tacoma, Wash.	1,604	5,300	61,745
Miami, Fla.	2,386	6,618	72,804	Tampa, Fla.	1,875	4,963	48,706
Milwaukee, Wis.	8,669	29,361	353,894	Terre Haute, Ind.	1,260	3,690	37,689
Minneapolis, Minn.	5,939	29,103	298,576	Toledo, Ohio	3,724	15,227	180,023
Mobile, Ala.	943	3,829	33,062	Topeka, Kans.	935	4,116	41,578
Montgomery, Ala.	850	3,673	31,875	Trenton, N. J.	1,998	6,270	75,061
Mount Vernon, N. Y.	896	2,656	38,268	Troy, N. Y.	1,148	3,670	45,830
Nashville, Tenn.	1,843	8,959	90,024	Tulsa, Okla.	1,586	8,868	91,654
Newark, N. J.	7,153	26,208	322,778	Union City, N. J.	1,356	2,573	30,176
New Bedford, Mass.	1,892	4,583	51,758	Utica, N. Y.	1,700	4,809	56,978
New Britain, Conn.	601	1,482	22,795	Waco, Tex.	936	3,394	33,340
New Haven, Conn.	3,225	9,428	113,880	Washington, D. C.	5,931	31,453	336,282
New Orleans, La.	7,912	19,999	162,948	Waterbury, Conn.	1,577	4,130	51,568
New Rochelle, N. Y.	766	2,749	37,863	Wheeling, W. Va.	990	3,995	42,487
Newton, Mass.	512	1,632	20,744	Wichita, Kans.	1,599	7,150	79,741
New York, N. Y.	103,036	316,570	4,272,633	Wilkes-Barre, Pa.	1,916	5,933	57,668
Niagara Falls, N. Y.	1,118	3,168	38,402	Wilmington, Del.	1,990	5,688	69,245
Norfolk, Va.	2,133	7,368	67,087	Winston-Salem, N. C.	894	3,027	31,856
Oakland, Calif.	5,061	16,489	201,637	Worcester, Mass.	2,338	9,528	109,101
Oak Park, Ill.	510	2,661	32,741	Yonkers, N. Y.	1,851	3,689	60,834
Oklahoma City, Okla.	2,432	10,952	118,614	York, Pa.	1,111	3,436	35,689
Omaha, Nebr.	2,663	11,577	118,184	Youngstown, Ohio.	2,040	8,977	98,575
Pasadena, Calif.	1,419	5,215	60,035				

Source. Bureau of the Census, Department of Commerce.

**No. 778.—INDEXES OF VALUES OF SALES BY DEPARTMENT STORES:
By FEDERAL RESERVE DISTRICTS AND BY MONTHS**

NOTE.—Compiled from reports of about 360 to 560 firms. Indexes have been adjusted for variations in number of firms reporting and monthly indexes for the varying number of business days in the different months and the effect of changes in the date of Easter. Sales are much affected by changes in price levels

[1923-1925 average=100]

Year	United States	Boston	New York	Philadelphia	Cleveland	Richmond	Atlanta	Chicago	St. Louis	Minneapolis	Kansas City ¹	Dallas	San Francisco
1919	78	78	76	79	77	84	94	---	---	93	---	98	68
1920	94	91	91	93	98	93	113	---	---	105	---	117	83
1921	87	89	87	89	86	89	96	81	90	97	---	97	79
1922	88	92	89	91	87	86	90	84	89	93	---	90	83
1923	98	98	96	101	100	97	100	99	99	99	---	96	96
1924	99	100	99	99	99	99	98	98	98	99	95	100	99
1925	103	102	105	100	101	104	102	103	103	102	100	104	105
1926	106	105	109	102	102	107	106	109	105	99	95	109	110
1927	107	106	111	98	102	105	107	110	103	97	96	106	113
1928	108	104	112	96	101	106	107	117	104	90	97	108	117
1929	111	106	117	96	103	110	104	119	105	86	96	110	120
1930	102	100	113	89	92	106	95	105	94	85	95	100	113
1931	91	91	104	78	80	100	84	89	82	76	82	84	100
1932	69	71	81	62	59	81	64	67	63	60	64	63	76
1933	67	65	76	59	59	77	64	66	60	57	63	64	72

Month	United States—Unadjusted					United States—With seasonal adjustment				
	1929	1930	1931	1932	1933	1929	1930	1931	1932	1933
January	90	88	79	64	49	110	107	97	78	60
February	91	89	80	64	49	111	108	98	78	60
March	107	98	92	69	50	112	107	97	72	57
April	103	110	101	74	58	110	107	106	79	67
May	109	105	97	72	67	109	105	97	72	67
June	108	98	90	66	64	113	103	95	69	68
July	79	71	65	46	49	109	100	91	65	70
August	84	77	67	49	59	111	102	88	65	77
September	117	108	87	71	73	114	99	84	68	70
October	122	112	93	75	77	112	102	86	69	70
November	125	113	95	73	75	108	98	83	63	65
December	191	165	142	106	121	108	94	81	60	69

¹ Monthly average sales in 1925=100

**No. 779.—INDEXES OF VALUE OF SALES OF MAIL-ORDER HOUSES AND
5-AND-10-CENT CHAIN STORES**

NOTE.—Indexes for mail-order houses cover two companies throughout. The number of chain-store companies reporting varied from year to year, but in computing the indexes adjustment has been made for these variations. No adjustment has been made, however, to eliminate the influence of increase in the number of stores operated by the individual companies, which accounts for a considerable part of the increase in the indexes. In the monthly indexes for both mail-order houses and chain stores, allowance has been made for the varying number of business days in the different months, the chain-store indexes have also been adjusted for seasonal variations. Sales are much affected by changes in price levels

[1923-1925 average=100]

Year	Mail-order houses ¹	5-and-10-cent (variety) chains ²	Month	Mail-order houses ¹			5-and-10-cent (variety) chains ²		
				1931	1932	1933	1931	1932	1933
1922	70	74	January	125	100	81	162	155	135
1923	89	88	February	129	106	85	163	156	138
1924	98	99	March	130	98	80	159	146	121
1925	113	113	April	157	120	111	168	141	140
1926	121	125	May	157	121	114	168	138	130
1927	126	138	June	149	120	117	162	138	137
1928	148	150	July	131	100	105	149	135	142
1929	188	164	August	130	98	117	160	127	139
1930	169	160	September	144	123	141	156	135	151
1931	144	157	October	152	137	155	152	133	132
1932	117	135	November	150	129	163	147	129	130
1933	122	134	December	177	155	194	144	117	135

¹ Includes mail-order and store sales

² Some of the companies included do not limit the sales prices of individual articles to 10 cents, some selling as high as \$1, but all come within the broad classification popularly known as "10-cent stores"

Source Tables 778 and 779: Federal Reserve Board and Bureau of Foreign and Domestic Commerce, Department of Commerce.

No. 780.—HOTELS OPERATING THE ENTIRE YEAR 1929 AND FROM 2 TO 8 MONTHS OF 1929: SUMMARY OF STATISTICS

NOTE.—The hotel census is confined to hotels in the United States having 25 or more guest rooms. It does not include apartment houses, boarding houses, clubs, etc. Hotels that make separate charges for rooms and meals, and hotels that confine their operations to room rentals are classified as European-plan hotels. American-plan hotels are hotels that have a fixed combined rate for rooms and meals. A hotel is classed as "transient" or "permanent" if more than 75 per cent of its patrons are "transient" or "permanent," respectively.

[Receipts and salaries and wages in thousands of dollars]

		Plan of operation			Type of occupancy		
	Total	European	American	Mixed American and European	Mainly transient	Mainly permanent	Mixed transient and permanent
HOTELS OPERATING ENTIRE YEAR							
Number of hotels.....	13,328	10,907	1,097	1,324	4,941	1,702	6,685
Owned by corporations.....	3,047	2,549	243	255	1,262	424	1,361
Owned by individuals and partnerships.....	10,281	8,358	854	1,069	3,679	1,278	5,324
Number of guest rooms.....	1,134,957	969,172	78,020	87,765	438,959	151,900	544,098
Seating capacity of dining rooms.....	610,762	382,581	109,497	118,684	319,216	52,069	239,477
Receipts, total.....	962,801	790,740	90,663	81,398	482,542	99,102	381,157
Rooms.....	485,076	485,076	—	—	223,208	61,871	199,997
Meals.....	223,502	223,502	—	—	140,945	11,943	70,614
Rooms and meals.....	157,056	—	80,917	76,139	60,613	19,674	76,769
Other sources.....	97,167	82,162	9,746	5,259	57,776	5,614	33,777
All employees:							
Number, average for the year ¹	291,259	237,531	28,457	25,271	151,367	26,527	113,365
Male.....	158,997	130,919	15,137	12,941	83,216	13,682	62,099
Female.....	132,262	106,612	13,320	12,330	68,151	12,845	51,266
Salaries and wages.....	257,034	213,406	23,713	19,915	130,854	25,005	101,175
Dining and lunch room and kitchen employees—							
Average for the year ¹	100,140	75,022	13,120	11,998	56,677	7,152	36,311
Male.....	60,480	47,138	6,943	6,399	33,537	4,581	22,362
Female.....	39,660	27,884	6,177	5,599	23,140	2,571	13,949
Salaries and wages.....	84,428	65,556	10,066	8,806	47,362	6,175	30,891
All other employees							
Average for the year ¹	191,119	162,509	15,337	13,273	94,690	19,375	77,054
Male.....	98,517	83,781	8,194	6,542	49,679	9,101	39,737
Female.....	92,602	78,728	7,143	6,731	45,011	10,274	37,317
Salaries and wages.....	172,606	147,850	13,647	11,109	83,492	18,830	70,284
Proprietors and firm members.....	14,968	11,874	1,366	1,728	5,645	1,694	7,629
Male.....	10,180	8,268	854	1,038	3,978	1,093	5,069
Female.....	4,808	3,606	512	690	1,667	601	2,540
HOTELS OPERATING 2 TO 8 MONTHS							
Number of hotels.....	2,249	370	1,537	342	646	324	1,279
Owned by corporations.....	541	104	360	77	210	78	263
Owned by individuals and partnerships.....	1,708	266	1,177	265	436	246	1,026
Number of guest rooms.....	158,939	26,250	108,872	23,817	50,502	23,559	84,878
Seating capacity of dining rooms.....	274,571	16,478	210,098	47,995	80,422	43,699	150,450
Receipts, total.....	76,562	8,849	58,386	9,327	25,465	13,877	37,220
Rooms.....	5,582	5,582	—	—	2,764	394	2,424
Meals.....	2,631	2,631	—	—	1,533	139	969
Rooms and meals.....	63,224	—	54,348	8,876	18,761	12,421	32,042
Other sources.....	5,125	636	4,038	451	2,407	923	1,795
Employees, number							
April.....	9,883	1,262	7,565	1,056	4,180	1,626	4,077
July.....	55,818	3,785	43,978	8,055	16,894	9,229	29,695
October.....	10,064	1,925	6,649	1,490	2,821	1,629	5,614
December.....	14,999	3,357	10,253	1,389	6,543	2,629	5,827
Salaries and wages, all employees.....	15,814	1,868	11,936	2,010	5,405	2,776	7,633
Proprietors and firm members.....	2,777	381	1,938	458	712	406	1,659
Male.....	1,661	247	1,137	277	451	242	968
Female.....	1,116	134	801	181	261	164	691

¹ Based on the reported number of employees as of the 15th of April, July, October, and December.

34.—CONSTRUCTION

No. 781.—CONSTRUCTION CONTRACTS AWARDED

NOTE.—Data compiled from reports covering contracts awarded in small towns and rural districts as well as large cities. Public works and public utilities cover some projects not susceptible to measurement in terms of floor space, such as highways, pipe lines, subways, etc. Statistics for the 37 States were not compiled for years prior to 1925, but available figures covering a varied number of States for earlier years have been published in the 1932 and previous issues of this publication

[Values in millions and tenths of millions of dollars; floor space in thousands of square feet]

Year	Total	Resi- den- tial	Com- mer- cial ¹	Fac- tories ²	Public works	Public utili- ties ³	Educa- tional	Hos- pitals and insti- tutions	Public build- ings	Re- ligious and memo- rial	Social and recrea- tional
37 STATES³											
Number of proj- ects:											
1925.....	173,720	127,678	19,083	5,139	9,381	1,802	4,024	929	856	2,426	2,402
1926.....	170,723	120,473	20,249	5,456	11,461	2,122	3,993	985	995	2,406	2,583
1927.....	184,604	128,436	21,616	5,361	14,100	2,456	4,497	1,194	1,303	2,751	2,890
1928.....	200,255	139,133	23,583	5,809	16,876	2,394	4,759	1,141	1,383	2,520	2,657
1929.....	172,171	110,498	24,136	6,383	16,708	2,661	4,531	1,190	1,303	2,777	2,484
1930.....	135,269	74,713	22,431	4,675	18,257	3,130	4,771	1,221	1,477	2,044	2,551
1931.....	110,203	63,834	15,299	2,824	16,393	2,405	3,250	929	1,454	1,560	2,255
1932.....	76,129	38,057	14,234	2,370	13,821	1,628	1,800	552	974	1,193	1,500
1933.....	85,217	40,479	18,189	3,776	13,172	2,023	2,197	546	1,394	1,216	2,225
Value of construc- tion.											
1925.....	6,006	4,274.7	872.4	326.6	650.6	415.4	426.4	111.1	54.5	153.1	248.7
1926.....	6,380	4,267.1	920.9	471.2	775.6	564.7	381.1	133.1	67.2	148.8	247.1
1927.....	6,303	4,257.3	932.9	375.9	962.2	419.8	379.8	162.5	79.5	156.5	260.7
1928.....	6,628	4,278.8	884.6	508.8	980.1	484.4	399.0	164.7	76.2	127.9	214.1
1929.....	5,750	4,191.5	929.2	545.9	934.4	524.5	381.9	152.2	120.8	106.1	140.0
1930.....	4,523	3,101.3	616.3	256.6	963.0	700.7	376.1	163.1	139.8	92.8	113.3
1931.....	3,092	2,811.4	311.1	116.2	875.4	295.7	228.8	121.2	181.3	53.1	98.7
1932.....	1,351	2,280.1	122.7	43.5	514.7	75.6	82.3	48.4	118.0	27.3	38.7
1933.....	1,255	2,249.3	99.4	127.5	499.5	103.2	40.0	37.3	50.9	17.7	31.1
Floor space of buildings.											
1925.....	920,537	559,501	160,067	66,900	-----	-----	61,308	14,036	8,293	18,869	31,565
1926.....	872,574	521,061	152,355	75,705	-----	-----	54,565	14,790	7,856	16,371	29,872
1927.....	838,298	494,563	141,815	68,130	-----	-----	55,475	18,803	9,941	17,191	32,381
1928.....	956,841	568,383	159,192	92,903	-----	-----	62,983	20,004	11,287	15,398	26,691
1929.....	779,747	387,671	161,262	105,523	-----	-----	60,644	19,494	12,626	12,817	19,709
1930.....	494,809	230,039	96,587	48,020	-----	-----	58,550	19,120	17,024	10,862	14,606
1931.....	357,789	190,274	50,035	20,108	-----	-----	37,372	16,881	24,256	5,778	13,287
1932.....	152,829	73,607	23,885	9,048	-----	-----	14,234	7,317	16,198	3,517	5,023
1933.....	143,170	72,783	22,553	18,986	-----	-----	5,953	5,596	9,473	2,633	5,194

¹ Owing to a change in the classification, data for airports have been excluded from the "Commercial" class and included with "Public utilities" beginning 1930. Separate figures for airports are not available prior to 1930.

² Owing to a change in the classification figures for the "Factories" class exclude data for power plants for all years and for pipe lines beginning 1929 (separate figures not available for years prior to 1929), which data are included with "Public utilities."

³ Figures for the 37 States include all except the 11 States in the Mountain and Pacific divisions.

Source The F. W. Dodge Corporation.

No. 782.—CONSTRUCTION CONTRACTS AWARDED IN 37 STATES: By MONTHS¹

NOTE—See headnote, Table 781

Month	Value of construction (thousands of dollars)					Floor space of buildings ² (thousands of square feet)				
	1929	1930	1931	1932	1933	1929	1930	1931	1932	1933
Total.....	5,750,791	4,523,115	3,092,850	1,351,159	1,255,708	779,747	494,809	357,789	152,829	143,170
January.....	406,468	323,975	227,956	84,798	83,356	57,356	31,037	24,002	12,301	7,620
February.....	361,274	317,083	235,405	89,046	52,712	53,465	30,157	28,017	12,123	7,234
March.....	494,588	456,119	369,981	112,235	59,959	76,531	52,920	37,362	16,728	9,773
April.....	642,061	482,877	336,925	121,705	56,573	84,375	54,502	38,496	13,675	10,786
May.....	587,766	457,416	306,079	146,221	77,172	80,445	52,512	38,484	15,561	14,877
June.....	529,891	600,573	316,148	113,075	102,342	70,751	46,263	32,370	12,189	15,345
July.....	652,436	366,878	285,997	128,769	82,554	74,873	43,466	32,262	14,134	14,304
August.....	488,882	346,644	233,106	133,988	105,989	65,483	38,364	29,793	13,659	12,706
September.....	444,402	331,864	251,110	127,527	120,134	58,466	39,592	29,566	13,271	12,767
October.....	445,642	336,706	242,094	107,274	145,367	64,389	39,103	30,365	10,896	15,199
November.....	391,013	253,574	151,196	105,302	162,341	50,471	32,598	20,179	11,525	11,486
December.....	316,368	249,436	136,852	81,219	207,210	43,141	28,290	16,903	6,768	11,074

¹ Figures for the 37 States include all except the 11 States in the Mountain and Pacific divisions.² Figures do not include data for floor space for public works and public utilities. Figures for 1929 include data for airports which are not included for later years. See footnote 1, Table 781.

Source. The F. W. Dodge Corporation.

No. 783.—CONSTRUCTION CONTRACTS AWARDED IN 37 STATES: By TERRITORIES

NOTE—See headnote, Table 781. New England includes Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut. Metropolitan New York and vicinity includes northern New Jersey, New York City, Long Island, Westchester, Orange, Putnam, and Rockland Counties, N. Y. Up-State New York includes all counties north of Orange, Putnam, and Rockland. Middle Atlantic includes eastern Pennsylvania, southern New Jersey, Maryland, Delaware, District of Columbia, and Virginia. Pittsburgh includes western Pennsylvania, West Virginia, Ohio, and Kentucky. Southern Michigan consists of the southern peninsula. Chicago includes northern Illinois, Indiana, Iowa, and eastern and southern Wisconsin. Central Northwest includes Minnesota, the Dakotas, northern peninsula of Michigan, and northwest Wisconsin. St. Louis includes southern Illinois, eastern Missouri, northeast Arkansas, western Tennessee, and northwest Mississippi. Kansas City includes western Missouri, Kansas, Oklahoma, and Nebraska. Texas includes the State only. New Orleans includes Louisiana, western and southern Arkansas, and eastern and southern Mississippi. Southeastern includes the Carolinas, Georgia, Florida, Alabama, and eastern Tennessee.

[Value in thousands of dollars; floor space in thousands of square feet]

Territory	Value				Floor space of buildings ¹			
	1930	1931	1932	1933	1930	1931	1932	1933
Total.....	4,523,115	3,092,850	1,351,159	1,255,708	494,809	357,789	152,829	143,170
New England.....	354,466	295,019	114,053	120,696	45,310	36,345	15,425	13,982
Metropolitan New York and vicinity.....	938,693	725,061	190,678	176,618	120,411	106,872	26,819	27,117
Up-State New York.....	188,164	169,718	75,955	76,671	18,266	15,701	7,868	6,598
Middle Atlantic.....	538,636	356,807	227,615	136,101	58,411	41,677	30,300	19,982
Pittsburgh.....	567,796	309,540	151,612	146,866	56,090	32,268	13,633	13,365
Southern Michigan.....	173,537	90,611	41,715	47,969	22,959	11,206	5,044	4,907
Chicago.....	560,291	345,583	152,842	121,885	53,598	33,155	13,578	13,800
Central Northwest.....	98,712	93,815	61,516	44,072	10,373	8,686	4,305	4,325
St. Louis.....	245,878	120,750	83,077	80,775	18,198	11,680	5,810	7,051
Kansas City.....	300,284	153,496	76,681	73,751	25,094	14,481	6,241	7,173
Texas.....	186,026	157,033	56,233	59,652	22,831	16,384	6,943	8,217
New Orleans.....	102,037	126,484	35,921	43,621	9,708	7,446	4,806	2,857
Southeastern.....	268,596	148,932	83,260	127,033	33,561	21,888	12,058	13,798

¹ Figures do not include data for floor space for public works and public utilities.

Source: The F. W. Dodge Corporation.

No. 784.—BUILDING PERMITS ISSUED IN PRINCIPAL CITIES

NOTE.—Figures cover new buildings and repairs to old buildings, but exclude data for installation permits (those for installing boilers, signs, etc.) which are not strictly building operations. These permits are rather numerous, but in value they are of small amount. The number figures represent the number of buildings covered by permits issued (new construction and repairs, etc.), rather than the number of permits. The cities shown had a population of 50,000 or over in 1930. The estimated cost of new buildings only, authorized in 257 identical cities since 1921 is as follows: 1921, \$1,573,000,000; 1922, \$2,489,000,000; 1923, \$3,072,000,000; 1924, \$3,208,000,000; 1925, \$3,805,000,000; 1926, \$3,557,000,000; 1927, \$3,138,000,000; 1928, \$2,995,000,000; 1929, \$2,580,000,000; 1930, \$1,451,000,000; 1931, \$1,049,000,000; 1932, \$379,000,000; 1933, \$274,000,000. Buildings authorized by permit are not always actually constructed, and the actual cost of those constructed may differ considerably from that originally estimated.

City and State	Total number of buildings					Proposed cost of buildings (thousands of dollars)				
	1929	1930	1931	1932	1933	1929	1930	1931	1932	1933
Akron, Ohio	5,560	2,421	1,506	908	690	21,640	8,777	1,939	804	689
Albany, N. Y.	1,784	1,612	1,229	1,172	1,402	9,035	9,004	6,061	3,896	1,521
Allentown, Pa.	1,888	671	428	329	277	4,510	2,270	968	1,093	674
Altoona, Pa.	1,932	1,481	1,015	634	511	1,984	1,369	745	170	119
Asheville, N. C.	598	393	267	201	180	2,236	422	234	96	150
Atlanta, Ga.	2,946	3,043	3,239	2,933	1,768	12,564	8,446	3,471	3,520	946
Atlantic City, N. J.	701	593	663	1,233	858	7,483	1,401	843	825	403
Augusta, Ga.	1,884	989	964	624	457	1,137	715	732	420	372
Austin, Tex.	1,139	1,234	1,435	1,104	1,176	4,477	3,335	2,471	5,565	1,609
Baltimore, Md.	19,332	16,943	15,680	12,364	7,978	33,175	27,821	24,691	13,663	7,465
Bayonne, N. J.	329	225	240	293	234	1,107	792	448	195	303
Beaumont, Tex.	1,852	1,561	1,046	772	725	2,582	2,606	1,021	711	275
Berkeley, Calif.	1,806	1,541	1,143	940	749	6,369	2,986	1,900	1,097	786
Bethlehem, Pa.	604	381	177	113	75	2,905	1,065	443	239	100
Binghamton, N. Y.	2,747	2,514	2,590	2,654	2,835	3,988	2,255	969	1,484	864
Birmingham, Ala.	3,071	2,542	1,716	1,046	919	8,234	2,420	1,937	699	515
Boston, Mass.	8,169	7,496	7,694	5,964	5,513	53,534	26,906	33,968	11,695	7,562
Bridgeport, Conn.	1,172	1,140	938	581	484	4,242	2,618	2,753	1,249	566
Brockton, Mass.	927	772	614	482	404	1,467	1,113	830	495	326
Buffalo, N. Y.	4,326	3,763	3,568	2,240	1,919	24,128	14,825	9,338	4,067	2,371
Cambridge, Mass.	941	773	650	490	513	12,166	11,063	4,991	1,977	1,321
Camden, N. J.	1,131	932	609	301	311	6,164	2,582	1,130	445	223
Canton, Ohio	1,507	930	627	319	333	3,456	1,585	640	378	88
Cedar Rapids, Iowa	1,216	1,227	1,177	1,004	1,001	2,906	2,032	1,606	436	416
Charleston, S. C.	673	438	400	466	330	671	1,103	414	244	361
Charleston, W. Va.	719	456	325	381	324	2,241	6,881	1,050	491	230
Charlotte, N. C.	1,086	824	641	397	279	3,729	2,588	1,318	602	736
Chattanooga, Tenn.	3,218	2,978	2,349	1,622	1,706	2,261	2,934	1,230	2,155	631
Chester, Pa.	343	252	146	61	68	1,099	1,139	681	126	63
Chicago, Ill.	15,849	10,380	6,613	3,872	3,166	210,798	85,749	66,694	12,881	5,729
Cicero, Ill.	562	241	142	93	74	3,609	1,117	1,071	66	57
Cincinnati, Ohio	8,971	6,667	5,395	3,861	3,687	31,037	33,161	21,467	7,820	4,194
Cleveland, Ohio	9,853	7,637	6,045	3,612	3,005	37,783	32,554	11,991	12,045	2,750
Columbia, S. C.	620	535	559	505	292	1,255	1,903	2,073	631	143
Columbus, Ohio	3,557	2,594	1,738	1,074	908	10,613	5,616	3,369	1,868	2,136
Covington, Ky.	409	343	347	212	123	1,479	629	761	197	160
Dallas, Tex.	3,251	3,325	3,071	2,409	3,044	9,660	11,028	4,348	2,222	1,821
Davenport, Iowa	1,489	1,557	1,493	1,157	2,237	2,342	2,462	1,252	712	432
Dayton, Ohio	2,017	1,697	1,396	744	640	6,343	5,958	2,895	939	598
Decatur, Ill.	839	447	282	158	186	3,890	1,991	781	179	158
Denver, Colo.	6,111	5,043	4,183	3,523	3,421	16,576	7,648	6,828	3,001	1,881
Des Moines, Iowa	1,171	1,113	1,171	953	899	4,032	4,011	3,033	1,895	751
Detroit, Mich.	26,554	15,313	10,082	5,159	4,079	100,567	48,369	23,435	8,740	4,053
Duluth, Minn.	1,700	1,390	1,472	919	920	3,856	2,168	948	1,352	1,014
Durham, N. C.	284	233	191	152	199	1,863	1,047	693	667	538
East Chicago, Ind.	525	367	215	58	117	5,307	1,801	605	76	184
East Orange, N. J.	769	678	644	353	444	5,946	2,627	1,411	665	258
East St. Louis, Ill.	895	566	468	321	279	2,392	1,365	1,052	272	192
Elizabeth, N. J.	731	433	292	216	401	4,095	2,384	2,348	385	618
El Paso, Tex.	1,181	1,123	697	419	361	4,325	2,937	949	376	281
Erie, Pa.	1,694	1,480	1,220	685	484	6,431	3,302	2,711	673	544
Evanston, Ill.	736	513	354	224	183	8,196	3,103	3,251	789	400
Evansville, Ind.	1,354	1,639	1,055	814	1,224	4,421	1,761	1,188	485	281
Fall River, Mass.	607	561	537	428	378	792	1,189	697	447	183
Flint, Mich.	6,717	3,104	2,103	992	1,094	14,684	3,994	1,966	262	420
Fort Wayne, Ind.	1,927	1,351	1,311	595	439	7,039	3,099	3,188	1,623	761
Fort Worth, Tex.	3,237	2,616	1,923	1,325	922	11,262	10,463	6,345	1,432	2,626
Fresno, Calif.	1,784	1,496	1,437	1,083	964	1,699	1,333	1,007	893	546
Galveston, Tex.	1,895	1,376	1,371	1,454	1,033	3,613	1,717	2,543	877	454
Gary, Ind.	1,162	743	340	89	131	3,146	1,177	983	130	113
Grand Rapids, Mich.	4,415	2,640	1,664	1,002	700	6,087	2,922	1,147	1,513	415
Greensboro, N. C.	710	471	511	393	360	3,134	766	1,135	209	256

1 Applications filed.

No. 784.—BUILDING PERMITS ISSUED IN PRINCIPAL CITIES—Continued

City and State	Total number of buildings					Proposed cost of buildings (thousands of dollars)				
	1929	1930	1931	1932	1933	1929	1930	1931	1932	1933
Hamilton, Ohio.....	756	502	325	361	142	2,411	1,552	467	703	64
Hammond, Ind.....	777	704	345	190	194	4,154	1,876	3,314	152	190
Hannamack, Mich.....	643	322	228	118	140	1,066	1,299	121	54	202
Harrisburg, Pa.....	778	676	452	350	289	7,958	2,519	2,001	695	464
Hartford, Conn.....	2,192	1,339	1,331	1,116	1,186	16,144	6,365	4,847	2,068	864
Highland Park, Mich.....	383	235	142	132	120	2,327	624	117	81	57
Hoboken, N. J.....	265	272	289	227	271	748	828	567	486	166
Holyoke, Mass.....	298	250	243	149	149	1,256	1,703	766	237	185
Houston, Tex.....	3,972	2,741	2,261	963	1,480	29,133	17,265	11,863	2,573	3,034
Huntington, W. Va.....	306	201	236	237	169	1,455	770	1,096	202	212
Indianapolis, Ind.....	6,785	4,919	3,229	2,160	2,014	14,844	7,451	9,339	2,546	1,699
Irvinton, N. J.....	567	445	380	242	164	2,134	1,700	1,749	366	199
Jackson, Mich.....	1,227	736	506	280	226	3,492	698	410	374	184
Jacksonville, Fla.....	2,557	2,105	2,288	2,331	3,171	4,580	2,410	1,487	2,944	1,530
Jersey City, N. J.....	1,219	885	725	571	453	14,585	12,107	1,991	1,171	1,130
Johnstown, Pa.....	522	412	327	214	216	682	696	605	139	82
Kalamazoo, Mich.....	1,349	973	742	493	444	2,410	1,172	1,085	202	238
Kansas City, Kans.....	867	673	596	358	381	1,844	1,350	667	288	193
Kansas City, Mo.....	1,946	1,503	1,396	708	553	14,845	15,663	8,291	1,961	943
Kenosha, Wis.....	945	522	387	210	190	4,577	1,484	646	248	115
Knoxville, Tenn.....	1,220	667	526	316	296	5,499	3,627	1,035	1,415	475
Lakewood, Ohio.....	550	456	391	311	227	1,830	1,482	797	404	183
Lancaster, Pa.....	671	520	410	202	115	1,982	1,381	538	362	141
Lansing, Mich.....	1,308	722	470	329	282	8,738	2,065	1,209	523	1,058
Lawrence, Mass.....	241	236	350	180	199	854	618	892	235	192
Lincoln, Nebr.....	980	609	627	394	641	2,560	1,598	1,745	340	358
Little Rock, Ark.....	1,376	1,496	848	742	733	3,268	2,251	2,771	398	205
Long Beach, Calif.....	4,949	4,502	3,304	2,449	9,320	18,044	13,058	4,472	3,101	6,384
Los Angeles, Calif.....	31,722	30,614	25,311	17,122	15,873	93,020	75,357	41,422	17,736	15,396
Louisville, Ky.....	2,466	1,756	1,174	898	695	13,205	6,937	5,585	2,415	1,627
Lowell, Mass.....	676	663	537	434	405	704	1,147	627	167	251
Lynn, Mass.....	1,133	1,041	802	626	523	3,942	2,972	1,521	740	418
Macon, Ga.....	1,416	674	501	420	391	988	777	564	585	557
Madison, Wis.....	1,155	845	685	398	377	4,974	2,348	1,345	608	312
Malden, Mass.....	534	475	495	328	237	1,894	1,133	985	252	144
Manchester, N. H.....	1,044	1,095	1,045	996	782	1,241	765	826	717	382
McKeesport, Pa.....	1,320	1,231	815	404	338	1,674	1,052	632	349	136
Medford, Mass.....	904	625	608	303	242	3,483	1,656	2,243	461	326
Memphis, Tenn.....	3,178	3,693	2,717	2,059	1,811	8,062	9,501	3,334	1,809	1,625
Miami, Fla.....	2,511	3,032	2,970	2,354	2,382	3,615	1,917	3,097	1,197	1,722
Milwaukee, Wis.....	7,501	4,939	3,892	2,165	1,791	37,947	25,285	12,634	4,147	2,207
Minneapolis, Minn.....	6,054	5,932	5,861	3,889	3,020	20,960	13,449	12,390	6,991	2,821
Mobile, Ala.....	1,055	680	443	343	432	1,667	1,100	881	639	385
Montgomery, Ala.....	2,320	1,558	1,194	829	889	2,769	1,274	820	1,187	586
Mt Vernon, N. Y.....	577	596	516	293	216	6,179	4,197	3,819	677	608
Nashville, Tenn.....	2,327	2,062	1,580	1,273	1,016	5,695	5,517	4,403	1,124	1,829
Newark, N. J.....	2,763	1,882	1,593	1,025	857	28,838	12,379	6,456	5,410	4,594
New Bedford, Mass.....	581	520	542	423	500	789	982	471	194	233
New Britain, Conn.....	1,051	692	535	403	379	1,248	896	1,000	317	261
New Haven, Conn.....	1,323	1,193	1,008	749	626	12,762	15,924	9,491	2,449	1,910
New Orleans, La.....	1,933	1,227	1,323	1,047	853	11,971	6,487	5,526	3,406	1,251
New Rochelle, N. Y.....	740	609	485	288	218	7,585	5,669	4,340	715	525
Newton, Mass.....	1,387	1,048	915	511	567	6,857	5,870	4,882	1,341	1,680
New York, N. Y.										
Borough of Bronx.....	7,811	7,507	7,183	5,956	6,640	95,666	56,116	65,399	8,881	20,770
Borough of Brooklyn.....	13,271	11,503	11,396	8,350	10,222	146,016	70,632	75,534	20,396	19,008
Borough of Manhattan.....	3,692	3,396	3,202	2,487	2,991	595,522	198,445	137,371	30,496	28,204
Borough of Queens.....	16,152	17,583	18,399	12,049	11,530	94,510	77,344	76,754	15,932	14,802
Borough of Richmond.....	2,868	2,539	2,217	1,592	1,477	10,584	7,629	7,805	3,097	3,777
Niagara Falls, N. Y.....	1,805	1,640	1,805	1,013	897	5,071	3,736	1,249	904	441
Norfolk, Va.....	1,185	1,092	1,142	966	758	2,730	2,603	1,640	3,061	1,087
Oakland, Calif.....	4,264	3,154	2,734	2,023	1,722	14,396	9,085	7,223	2,266	1,945
Oak Park, Ill.....	529	315	240	119	112	5,721	1,861	1,249	600	126
Oklahoma City, Okla.....	4,280	3,270	1,796	859	625	22,501	26,412	19,019	7,176	2,934
Omaha, Nebr.....	1,046	854	1,017	740	770	5,581	5,121	3,915	2,228	1,100
Pasadena, Calif.....	3,834	4,040	3,285	2,978	2,725	6,987	5,856	4,460	1,220	994
Passaic, N. J.....	976	709	629	569	470	4,870	2,099	604	451	385
Patterson, N. J.....	2,123	1,785	1,477	1,066	947	4,872	2,088	1,548	1,177	736
Pawtucket, R. I.....	904	597	525	256	295	1,945	1,847	962	288	273

1 Applications filed.

No. 784.—BUILDING PERMITS ISSUED IN PRINCIPAL CITIES—Continued

City and State	Total number of buildings					Proposed cost of buildings (thousands of dollars)				
	1929	1930	1931	1932	1933	1929	1930	1931	1932	1933
Peoria, Ill.	1,207	1,150	807	497	506	3,604	3,436	2,515	584	1,877
Philadelphia, Pa.	10,388	6,480	5,491	4,144	3,577	104,406	53,142	35,265	17,863	12,099
Pittsburgh, Pa.	6,128	5,115	4,059	2,401	2,317	35,639	20,730	19,386	9,135	2,695
Pontiac, Mich.	2,299	572	444	193	206	6,219	1,280	841	77	67
Port Arthur, Tex.	972	1,070	626	398	243	1,979	2,430	905	87	244
Portland, Me.	1,214	1,173	1,117	922	685	2,133	1,567	1,254	1,067	537
Portland, Oreg.	7,646	6,041	4,823	3,435	3,185	15,504	12,063	7,156	2,982	2,385
Providence, R. I.	5,046	4,835	4,729	4,004	3,500	14,943	10,742	7,913	2,189	2,325
Pueblo, Colo.	1,281	1,028	736	424	406	1,572	538	454	129	97
Quincy, Mass.	1,920	1,438	1,312	904	864	4,217	2,724	1,783	687	496
Racine, Wis.	1,264	723	333	134	142	4,783	3,924	1,757	205	100
Reading, Pa.	2,483	2,417	1,543	843	644	6,111	2,474	2,772	478	327
Richmond, Va.	2,151	1,668	1,543	1,119	1,005	9,146	5,951	3,054	1,096	1,025
Roanoke, Va.	700	499	422	293	278	2,220	2,606	1,113	257	1,592
Rochester, N. Y.	3,429	2,490	2,291	1,785	1,359	13,303	8,011	6,303	3,657	2,078
Rockford, Ill.	1,652	1,039	583	249	218	5,083	2,908	647	732	120
Sacramento, Calif.	1,101	1,636	1,377	1,373	1,147	4,881	3,029	3,787	2,339	1,349
Saginaw, Mich.	1,801	1,054	825	542	507	3,121	2,690	485	288	219
St. Joseph, Mo.	558	470	453	274	235	1,404	1,620	431	220	241
St. Louis, Mo.	9,533	8,120	6,754	4,887	3,546	27,074	17,322	16,620	4,414	13,068
St. Paul, Minn.	5,055	3,780	3,959	2,813	2,750	9,365	10,682	12,652	2,796	4,566
Salt Lake City, Utah	1,039	945	968	518	528	5,691	4,274	3,462	540	571
San Antonio, Tex.	4,550	3,234	2,586	2,023	1,538	18,070	8,488	3,272	1,638	2,310
San Diego, Calif.	3,811	3,219	2,831	2,067	1,874	11,415	5,426	5,811	2,692	2,539
San Francisco, Calif.	5,505	4,951	5,251	3,931	3,439	33,426	22,414	21,442	16,465	58,198
San Jose, Calif.	937	755	811	583	558	2,428	3,403	1,803	1,230	1,152
Savannah, Ga.	317	187	276	181	918	1,122	1,069	450	155	473
Schenectady, N. Y.	1,341	1,390	1,050	754	795	3,431	5,339	1,300	599	660
Scranton, Pa.	880	826	744	652	594	2,947	3,190	1,378	2,126	458
Seattle, Wash.	7,924	6,577	5,714	3,677	2,980	29,101	30,356	12,483	3,257	1,953
Shreveport, La.	2,838	1,924	1,687	1,332	1,198	3,535	1,542	1,600	455	1,337
Sioux City, Iowa	748	705	668	328	315	3,130	3,412	1,571	1,141	377
Somerville, Mass.	639	555	559	395	354	3,076	1,380	980	556	234
South Bend, Ind.	2,445	1,780	1,074	665	470	7,015	3,709	1,329	493	285
Spokane, Wash.	2,241	2,169	1,757	1,334	1,209	4,148	3,641	2,176	566	808
Springfield, Ill.	1,101	964	850	602	395	3,112	3,179	2,329	714	636
Springfield, Mass.	1,367	1,062	827	569	507	5,095	5,703	2,948	1,021	747
Springfield, Mo.	522	426	347	329	403	1,525	1,115	2,283	361	325
Springfield, Ohio	1,006	651	428	231	194	1,750	777	1,194	445	60
Syracuse, N. Y.	2,512	1,532	1,268	657	590	11,267	5,399	7,000	1,598	646
Tacoma, Wash.	2,538	1,621	1,278	800	615	4,053	4,070	2,002	432	534
Tampa, Fla.	2,405	2,337	2,642	2,065	1,937	1,858	1,802	741	414	407
Terre Haute, Ind.	1,189	879	675	507	438	799	687	228	615	192
Toledo, Ohio	4,802	2,637	1,822	898	921	13,507	10,405	2,295	493	401
Topeka, Kans.	897	684	591	435	453	1,751	2,425	2,305	909	260
Trenton, N. J.	824	580	565	399	438	3,675	2,449	2,421	707	411
Troy, N. Y.	781	713	556	451	467	2,037	3,024	2,201	723	470
Tulsa, Okla.	3,161	2,360	1,501	714	646	11,757	8,356	4,389	513	514
Union City, N. J.	462	497	534	389	355	855	887	1,075	624	170
Utica, N. Y.	486	552	326	207	166	2,497	1,350	1,134	533	619
Waco, Tex.	486	360	312	319	252	2,700	1,154	1,779	327	257
Washington, D. C.	5,641	4,605	5,819	4,492	3,819	56,128	48,824	52,588	59,927	8,589
Waterbury, Conn.	746	541	438	290	281	2,999	2,037	1,187	309	286
Wheeling, W. Va.	669	528	421	271	273	1,768	1,121	645	318	343
Wichita, Kans.	2,712	1,762	1,132	652	560	8,652	6,308	2,340	1,195	351
Wilkes-Barre, Pa.	865	774	696	601	564	3,177	1,669	1,170	780	719
Wilmington, Del.	1,537	1,407	1,055	559	573	6,143	4,917	3,297	1,382	2,118
Winston-Salem, N. C.	1,568	1,217	1,027	584	553	5,000	1,602	852	403	246
Worcester, Mass.	1,925	1,663	1,304	950	932	7,251	6,341	5,592	1,583	1,162
Yonkers, N. Y.	1,413	1,134	1,265	810	663	21,366	9,887	10,014	2,595	2,145
York, Pa.	974	830	891	674	672	1,458	1,679	792	235	392
Youngstown, Ohio	1,787	1,029	768	473	587	5,894	2,801	1,464	595	543

* For 7 months only, August to December not yet available.

Source Bureau of Labor Statistics, Department of Labor.

No. 785.—BUILDING PERMITS ISSUED, BY CLASSES

NOTE.—See headnote, Table 784. Figures for 1931 represent 360 cities; 1932 and 1933, 364 identical cities

Class of building	Number of buildings			Proposed cost (1,000 dollars)		
	1931	1932	1933	1931	1932	1933
Grand total, all buildings.....	414, 586	290, 793	277, 798	1, 326, 005	523, 369	408, 581
Total new buildings.....	174, 462	92, 253	71, 092	1, 123, 158	412, 850	291, 558
New residential buildings.....	63, 556	24, 912	18, 292	458, 577	114, 491	100, 002
1-family dwellings.....	55, 010	22, 522	16, 713	260, 880	87, 298	65, 461
2-family dwellings.....	5, 608	1, 654	1, 046	38, 888	10, 118	6, 077
1-family and 2-family dwellings with stores.....	541	238	188	3, 953	1, 473	946
Multifamily dwellings.....	2, 177	430	314	132, 933	13, 025	28, 382
Multifamily dwellings with stores.....	99	32	9	9, 453	563	101
Hotels.....	20	6		2, 305	205	
Lodging houses.....	10	12	6	336	132	81
Other.....	91	18	16	9, 830	1, 678	955
New nonresidential buildings.....	110, 908	67, 841	52, 800	664, 581	288, 359	191, 558
Amusement buildings.....	551	377	322	24, 080	12, 858	4, 666
Churches.....	498	267	257	19, 100	9, 089	5, 020
Factories and workshops.....	1, 552	823	862	49, 275	17, 697	18, 464
Public garages.....	1, 092	358	303	11, 127	2, 645	1, 705
Private garages.....	81, 442	44, 541	32, 990	24, 097	10, 742	7, 363
Service stations.....	3, 905	3, 287	2, 513	10, 551	6, 825	5, 585
Institutions.....	247	117	74	58, 426	16, 800	20, 149
Office buildings.....	286	135	83	107, 293	10, 316	5, 216
Public buildings.....	409	226	122	129, 384	106, 508	32, 035
Public works and utilities.....	493	313	197	44, 232	25, 649	55, 098
Schools and libraries.....	575	206	77	113, 697	44, 298	10, 483
Sheds.....	9, 704	10, 280	9, 790	2, 906	2, 539	2, 497
Stables and barns.....	268	284	348	488	331	272
Stores and warehouses.....	7, 170	4, 748	4, 363	67, 108	26, 660	21, 737
All other.....	2, 714	1, 399	499	2, 817	5, 495	997
Additions, alterations, and repairs.....	240, 124	198, 540	206, 706	202, 848	110, 519	117, 023

Source. Bureau of Labor Statistics, Department of Labor.

No. 786.—INDEX NUMBERS OF BUILDING-MATERIAL PRICES AND CONSTRUCTION COSTS

[Monthly average 1923-1925=100]

Year	Wholesale price indexes ¹							Con- struction costs ²	Fac- tory building costs	Frame house materi- als, retail prices	Brick house materi- als, retail prices
	All build- ing materi- als	Lum- ber	Brick and tile ³	Port- land cement, plant ⁴	Struc- tural steel ⁴	Paint and paint materi- als ⁵	Other build- ing materi- als				
1913.....	54.4	52.0	38.0	56.5	68.0	49.1	61.1	47.1	50.5	49.7	49.2
1914.....	50.6	48.0	37.9	52.2	52.9	49.0	57.8	41.8			
1915.....	51.3	46.9	38.2	48.4	57.6	53.0	63.0	43.7			
1916.....	64.9	53.0	41.4	62.0	113.7	74.6	85.0	69.5			
1917.....	84.6	69.5	49.0	76.2	168.3	92.2	110.4	85.4			
1918.....	94.6	80.4	65.1	89.8	135.1	117.9	117.1	89.2			
1919.....	110.9	108.8	89.7	97.1	113.5	135.7	113.1	93.5			
1920.....	144.0	159.0	115.6	111.2	127.3	143.2	130.7	118.5			
1921.....	93.5	85.6	103.2	105.1	92.1	81.1	107.6	95.1	90.1		
1922.....	93.4	95.4	97.1	98.2	78.0	90.7	92.3	82.3	85.9	90.5	91.6
1923.....	104.3	107.6	101.2	102.4	109.1	98.0	102.1	100.9	101.9	102.7	103.0
1924.....	98.2	95.6	101.0	100.3	100.7	96.4	100.7	101.6	100.1	100.0	100.1
1925.....	97.6	96.8	97.8	97.3	90.1	105.7	97.2	97.5	98.1	97.2	96.8
1926.....	96.0	96.2	97.7	94.9	88.2	96.7	96.8	98.1	99.5	96.7	95.9
1927.....	90.9	89.6	98.5	81.7	83.5	93.1	92.4	97.3	97.2	92.0	92.6
1928.....	90.3	87.1	98.4	81.0	84.0	90.0	93.6	97.5	96.4	88.4	90.1
1929.....	91.6	90.3	92.1	87.1	86.5	91.8	94.6	97.6	95.9	88.0	89.6
1930.....	86.3	82.6	87.7	87.1	77.0	87.5	90.3	95.7	94.3	85.9	87.3
1931.....	76.0	66.9	81.6	75.3	78.3	76.8	82.1	85.5	88.8	78.7	81.5
1932.....	68.5	56.3	75.5	73.2	71.3	68.8	77.0	74.0	84.8	75.0	77.2
1933.....	73.9	68.0	77.3	81.7	73.3	70.9	80.1	80.3	85.8	72.4	74.4

¹ Beginning 1926 the indexes, except for Portland cement and structural steel, have been revised to include additional items not previously included; the "All building materials" index also includes plumbing and heating equipment (not shown separately in this table) for which data are not available prior to 1926.² Excludes tile prior to 1926.³ Composite price.⁴ Pittsburgh district.⁵ Excludes paint prior to 1926.⁶ Based upon the cost of lumber, steel, cement, and the rates paid common labor.⁷ Average of March, June, September, and December.⁸ Average for the 5 months January to May, inclusive; series has been discontinued.

Sources: Wholesale prices, Department of Labor; Construction costs, Engineering News-Record; Standard factory building costs, Aberthaw Construction Co.; Retail prices of frame and brick house building materials in 60 cities, Department of Commerce.

No. 787.—CONSTRUCTION ESTABLISHMENTS WHICH DID A BUSINESS OF OVER \$25,000 DURING 1929: VALUE OF BUSINESS AND PRINCIPAL EXPENDITURES BY STATES

NOTE.—The construction business of 113,799 active reporting establishments which did a business of less than \$25,000 during 1929 amounted to \$1,035,454,000 (figure partially estimated)

Division and State	Number of establishments	Value of construction business (1,000 dollars)			Principal expenditures (1,000 dollars)			Projected average number of workmen employed throughout the year ¹
		Total	Under general contract or directly for owner	Under subcontract	Subcontract work let	Wages paid	Cost of materials	
Continental U. S.-----	30, 597	6, 250, 267	4, 911, 766	1, 338, 501	1, 455, 494	1, 467, 542	2, 055, 595	828, 772
New England-----	2, 780	474, 849	392, 224	82, 625	104, 657	130, 650	144, 376	73, 479
Maine-----	142	13, 100	11, 408	1, 692	1, 507	4, 613	4, 185	2, 843
New Hampshire-----	113	9, 992	7, 972	2, 020	867	3, 106	4, 091	2, 080
Vermont-----	61	5, 878	4, 955	923	1, 898	2, 611	2, 611	1, 243
Massachusetts-----	1, 434	306, 094	255, 229	50, 865	76, 316	81, 454	88, 448	45, 086
Rhode Island-----	226	30, 675	25, 317	5, 358	5, 385	6, 566	9, 958	4, 997
Connecticut-----	804	109, 110	87, 343	21, 767	20, 326	31, 111	35, 083	17, 230
Middle Atlantic-----	8, 548	2, 219, 827	1, 709, 448	510, 379	610, 855	519, 448	658, 851	250, 447
New York-----	4, 372	1, 323, 724	993, 098	330, 626	385, 625	318, 537	363, 751	139, 508
New Jersey-----	1, 483	292, 175	238, 500	53, 675	57, 114	66, 005	110, 025	33, 018
Pennsylvania-----	2, 691	603, 928	477, 851	126, 078	168, 116	134, 906	185, 075	77, 921
East North Central-----	7, 934	1, 568, 591	1, 202, 108	366, 483	483, 927	374, 717	542, 728	202, 122
Ohio-----	2, 043	400, 298	317, 307	82, 991	89, 779	90, 596	144, 722	53, 679
Indiana-----	746	104, 623	87, 834	16, 789	17, 863	25, 462	40, 614	16, 004
Illinois-----	2, 497	589, 011	440, 190	148, 821	134, 487	151, 494	186, 280	72, 344
Michigan-----	1, 501	329, 380	242, 419	86, 961	76, 387	73, 578	115, 431	39, 052
Wisconsin-----	1, 147	145, 779	114, 357	30, 921	25, 411	33, 588	55, 681	21, 043
West North Central-----	2, 490	438, 590	369, 185	69, 406	71, 494	104, 614	160, 143	72, 716
Minnesota-----	561	105, 798	88, 829	16, 969	17, 687	25, 739	35, 259	17, 081
Iowa-----	486	76, 732	70, 717	6, 065	8, 122	18, 795	30, 042	12, 705
Missouri-----	759	152, 664	120, 419	32, 245	32, 368	36, 996	52, 422	24, 706
North Dakota-----	81	8, 388	7, 348	1, 040	960	1, 817	3, 557	1, 077
South Dakota-----	70	8, 364	7, 583	781	773	1, 894	2, 968	1, 682
Nebraska-----	243	45, 345	39, 543	5, 802	5, 031	10, 451	18, 631	8, 321
Kansas-----	290	41, 249	34, 745	6, 504	6, 105	9, 223	17, 274	7, 144
South Atlantic-----	2, 184	439, 732	347, 907	91, 825	101, 494	95, 665	152, 128	72, 824
Delaware-----	91	18, 696	14, 063	4, 633	3, 907	4, 050	6, 702	2, 412
Maryland-----	407	108, 075	81, 048	27, 027	26, 045	23, 494	33, 390	15, 348
District of Columbia-----	253	66, 201	49, 781	16, 420	26, 355	13, 486	15, 501	8, 826
Virginia-----	337	54, 313	42, 710	11, 603	12, 631	12, 443	19, 604	9, 605
West Virginia-----	169	23, 375	20, 438	2, 936	3, 322	6, 086	7, 946	4, 351
North Carolina-----	293	54, 786	46, 043	8, 743	6, 986	12, 032	24, 767	9, 523
South Carolina-----	116	16, 622	13, 617	3, 005	1, 789	3, 797	8, 161	3, 647
Georgia-----	230	57, 077	45, 840	11, 237	10, 587	11, 293	23, 624	11, 578
Florida-----	288	40, 587	34, 366	6, 220	9, 872	8, 983	12, 435	7, 534
East South Central-----	936	184, 952	130, 341	34, 611	27, 852	35, 474	62, 133	29, 355
Kentucky-----	330	43, 319	32, 965	10, 355	8, 998	9, 394	13, 872	7, 252
Tennessee-----	314	62, 826	45, 794	17, 032	9, 761	13, 349	23, 706	10, 807
Alabama-----	197	45, 859	40, 630	5, 229	7, 018	9, 813	19, 380	8, 934
Mississippi-----	95	12, 948	10, 953	1, 995	2, 075	2, 918	5, 177	2, 362
West South Central-----	1, 609	307, 705	259, 633	48, 071	50, 855	69, 823	118, 365	47, 596
Arkansas-----	118	17, 022	15, 135	1, 886	2, 465	3, 915	7, 156	2, 320
Louisiana-----	178	34, 943	29, 436	5, 457	6, 344	7, 507	11, 733	6, 332
Oklahoma-----	312	56, 298	48, 723	7, 575	7, 086	13, 028	22, 225	8, 976
Texas-----	1, 001	199, 442	166, 289	33, 153	34, 960	45, 373	77, 250	29, 968
Mountain-----	709	90, 105	73, 189	16, 916	15, 902	21, 247	29, 218	13, 169
Montana-----	119	11, 423	9, 520	1, 903	1, 215	2, 958	4, 551	1, 608
Idaho-----	44	7, 120	6, 570	551	852	2, 207	1, 168	1, 782
Wyoming-----	40	3, 061	2, 707	354	296	848	984	439
Colorado-----	211	28, 016	22, 098	5, 918	4, 976	6, 440	10, 009	4, 127
New Mexico-----	41	6, 563	6, 010	552	819	1, 412	2, 030	862
Arizona-----	105	12, 932	9, 468	3, 464	2, 610	2, 595	4, 969	1, 616
Utah-----	129	17, 350	13, 570	3, 780	4, 451	4, 041	4, 717	2, 470
Nevada-----	20	3, 639	3, 245	394	683	747	790	265
Pacific-----	3, 409	545, 915	427, 730	118, 185	128, 908	115, 604	187, 653	67, 064
Washington-----	404	66, 728	56, 950	9, 778	11, 465	16, 622	25, 616	9, 274
Oregon-----	249	30, 870	25, 526	5, 343	4, 555	7, 935	10, 915	4, 724
California-----	2, 756	448, 317	345, 253	103, 064	112, 886	91, 048	151, 122	53, 066

¹ The average number of workmen reported as employed on the fifteenth of each month (or nearest representative day), including estimates for a considerable number of establishments which failed to report the number of workmen employed. Salaried employees are not included.

Source. Bureau of the Census, Department of Commerce.

No. 788.—VALUE OF BUSINESS AND PRINCIPAL EXPENDITURES OF CONSTRUCTION ESTABLISHMENTS WHICH DID A BUSINESS OF OVER \$25,000 DURING 1929: BY CLASS OF ESTABLISHMENTS, CONTINENTAL UNITED STATES

[All money figures in thousands of dollars]

Classification of establishment	Number of establishments	Value of construction business			Principal expenditures			Projected average number of workmen employed throughout the year ¹
		Total	Under general contract or directly for owner	Under subcontract	Subcontract work let	Wages paid	Cost of materials	
All classes.....	30,597	6,250,267	4,911,766	1,338,501	1,455,494	1,467,542	2,055,595	828,772
Operative builders.....	750	153,524	153,519	5	103,142	13,146	22,602	7,418
General contractors.....	14,766	4,217,367	4,171,886	45,480	1,290,878	914,112	1,188,687	585,179
Building.....	10,131	2,622,047	2,611,366	10,681	1,124,702	502,676	652,167	286,962
Building not specialized.....	7,062	2,149,941	2,139,919	10,022	919,417	424,776	527,438	245,043
Commercial only.....	539	132,627	132,473	154	67,126	23,702	25,284	11,777
Manufacturing only.....	75	93,828	93,815	13	32,185	12,463	34,580	7,865
Residential only.....	2,455	245,651	245,159	492	105,974	41,736	64,865	22,277
Highway.....	1,514	443,064	436,443	6,621	43,789	102,294	165,341	78,733
Bridge and culvert.....	475	137,206	129,086	8,120	11,893	35,596	55,658	23,761
Grading.....	396	47,733	45,897	1,836	4,400	16,399	3,532	11,213
Street paving.....	984	282,760	276,319	6,441	25,230	61,282	109,106	42,773
Sewer, gas, water, conduit.....	494	115,153	113,352	1,801	5,959	36,056	41,011	22,683
Dam and reservoir.....	87	28,483	28,003	480	2,351	8,280	8,229	4,923
Waterworks.....	105	44,210	43,510	700	2,684	11,601	17,857	7,066
Dredging, river, harbor, etc.....	193	104,463	100,856	3,607	7,719	28,423	20,732	19,808
Levee.....	34	5,631	5,519	112	631	1,490	392	1,185
Railroad.....	137	105,302	103,026	2,276	12,515	34,840	24,177	24,432
Foundation.....	56	8,282	8,057	225	988	2,475	2,695	1,367
Central station, light and power plant.....	86	158,160	157,667	493	35,463	37,491	55,678	21,954
Air transport work.....	7	2,416	2,317	99	250	860	696	5,555
Refuse disposal plant.....	7	1,721	1,721	-----	193	527	445	240
Oil and natural gas pipe line.....	22	29,507	29,493	14	2,837	9,370	8,178	5,312
Subway (other than buildings).....	24	71,818	69,888	1,930	5,782	22,451	21,013	10,923
Vehicular subway and tunnel.....	3	3,772	3,772	-----	3,025	130	138	75
Telephone line and system.....	9	5,158	5,114	44	102	1,805	1,436	1,152
Miscellaneous, n. e. s.....	2	481	481	-----	65	67	206	42
Subcontractors.....	15,081	1,879,376	586,361	1,293,015	61,474	540,284	644,306	256,175
Carpentering and wood flooring.....	382	36,611	10,359	26,252	2,600	11,160	14,829	4,898
Concreting.....	477	66,312	13,716	52,596	2,468	23,740	23,117	13,766
Electrical.....	1,928	198,487	78,531	119,956	1,509	61,683	87,768	26,330
Elevator construction.....	129	77,376	12,469	64,907	1,727	13,048	50,697	5,395
Heating and plumbing.....	5,583	611,886	237,782	374,104	18,298	148,602	319,128	72,246
Heating and piping.....	1,423	221,996	93,087	128,909	11,291	48,616	116,004	23,761
Plumbing.....	2,808	256,834	80,209	176,625	4,332	66,393	135,603	31,444
Plumbing and heating combined.....	1,218	93,788	44,937	48,801	1,947	22,922	48,754	11,827
Miscellaneous.....	134	39,319	19,549	19,770	728	10,672	18,767	5,214
Masonry.....	673	85,023	24,508	60,515	2,634	32,749	34,191	16,045
Painting and decorating.....	1,102	83,899	26,858	57,041	926	43,504	17,623	19,509
Glass and glazing.....	154	16,653	2,660	13,993	286	3,063	8,888	1,334
Plastering and lathing.....	623	83,313	6,984	76,329	4,633	42,712	21,749	16,675
Roofing and sheet metal work.....	1,697	145,095	39,388	105,707	2,379	37,302	64,118	21,026
Steel erection.....	300	135,716	56,914	78,802	10,498	25,285	71,285	11,661
Stone work.....	173	27,085	2,913	24,172	1,196	9,265	9,685	4,169
Marble and tiling.....	851	112,950	14,417	98,533	1,372	34,213	50,626	15,233
Wrecking.....	44	3,816	152	3,664	50	2,045	26	920
Excavating.....	293	39,813	7,049	32,764	2,668	14,269	2,025	8,221
Ornamental iron.....	227	36,077	2,396	33,681	1,256	6,696	17,811	2,669
Highway.....	26	4,174	379	3,795	65	974	1,543	605
Bridge and culvert.....	14	1,496	210	1,286	88	534	513	464
Grading.....	39	5,636	4,642	994	285	2,014	238	1,533
Street paving.....	18	3,324	479	2,845	31	987	1,212	555
Sewer, gas, water, conduit.....	14	5,480	4,147	1,333	25	2,085	1,724	1,260
Dam, reservoir, and waterworks.....	4	334	88	246	2	92	182	58
Dredging, river, harbor, etc.....	13	2,346	787	1,559	10	664	781	381
Soundproofing.....	26	5,556	962	4,594	75	1,181	2,825	539
Railroad.....	3	934	222	712	230	204	242	290
Foundation.....	25	22,950	4,877	18,073	3,841	6,922	6,091	3,365
Power plant.....	4	1,064	858	206	17	238	659	149
Metal work, n. e. s.....	136	52,189	30,985	21,204	1,957	11,222	29,209	4,840
Flooring, n. e. s.....	81	10,760	2,887	7,873	116	2,651	5,261	1,293
Miscellaneous n. e. s.....	22	3,020	1,289	1,731	232	1,089	238	746

¹ See footnote 1, Table 787.

Source: Bureau of the Census, Department of Commerce.

APPENDIX

UNITED STATES UNITS WITH METRIC EQUIVALENTS

1 inch=2 540 centimeters.
1 foot=0 3048 meter
1 yard=0.9144 meter.
1 mile=1 609 kilometers
1 square yard=0 8361 square meter.
1 acre=0 4047 hectare.
1 square mile=2 590 square kilometers.
1 cubic inch=16 39 cubic centimeters
1 cubic foot=0 02832 cubic meter
1 cubic yard=0 7646 cubic meter
1 liquid quart=0 9463 liter.
1 gallon=231 cubic inches=3 785 liters.
1 bushel (measured)=2,150 4 cubic inches=35.24 liters.
1 avoirdupois ounce=28 35 grams.
1 troy ounce=31 10 grams
1 pound=0 4536 kilogram.
1 long ton=2,240 pounds=1.0160 metric tons of 1,000 kilograms.
1 short ton=2,000 pounds=0 9072 metric ton

UNITED STATES GALLON AND BUSHEL WITH BRITISH EQUIVALENTS

1 United States gallon=231 cubic inches=0 8331 imperial gallon
1 United States bushel=2,150 4 cubic inches=0.9694 imperial bushel

OFFICIAL WEIGHTS OF THE BARREL OF NONLIQUID PRODUCTS

	Pounds	Kilo-grams
Wheat flour, barley flour, rye flour, and corn meal (net) ¹	196	88 90
Rosin, tar, and pitch (gross).....	500	226.80
Fish, pickled (net).....	200	90 72
Lime (net).....	200	90 72
Cement (4 bags counted as 1 barrel) (net) ¹	376	170.55

¹Except as noted

OFFICIAL WEIGHTS OF THE UNITED STATES BUSHEL

	Pounds	Kilo-grams
Wheat, beans, peas, potatoes (Irish or white).....	60	27.22
Rye, corn (maize), linseed (flaxseed), maslin (mixed grain).....	56	25 40
Barley, buckwheat.....	48	21.77
Onions.....	57	25 86
Rough rice.....	45	20.41
Malt.....	34	15.42
Oats.....	32	14.51
Peanuts, green, in shell.....	22	9.98
Castor beans.....	50	22.68

APPROXIMATE WEIGHT OF PETROLEUM AND PRODUCTS

In the United States petroleum and its products are measured by bulk, not weight. Whether handled in containers or without them the quantities are customarily reduced to the equivalent of barrels of 42 United States gallons (barrel thus equals 158.984 liters). In many foreign countries these commodities are measured by weight. The specific gravity of the different grades of crude petroleum and of the finished products varies materially. On the basis of approximate averages the Department of Commerce in converting foreign weight statistics to gallons or barrels of 42 gallons uses the factors shown in the following table:

	Weight of United States gallon		Weight of barrel of 42 gallons	
	Pounds	Kilo-grams	Pounds	Kilo-grams
Crude petroleum.....	7.3	3.311	306.6	139.07
Lubricating oils.....	7.0	3.175	294.0	133.36
Illuminating oils (kerosene).....	6.6	2.994	277.2	125 74
Gasoline and related products (motor spirit, benzine, etc.).....	6.1	2.767	256.2	116 21
Fuel and gas oils.....	7.7	3.493	323.4	146.69

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